

FINAL REPORT

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TENNESSEE STATEWIDE CREEL SURVEY

2020 RESULTS



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June 2021



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Preface

During the 2020 sample year, sampling protocols were changed because of an unexpected outbreak of a human virus: 2019 novel coronavirus (COVID 19). Social distancing was recommended, but standard procedures for creel clerks using direct angler contact methods had not been previously developed. Initially, most creel clerks were instructed to continue to record pressure counts but avoid direct angler contact until health officials had better recommendations to avoid disease transmission. In a few cases, no pressure counts were taken for a month or more. After several months, many creel clerks went back to doing angler interviews without taking fish weights to maintain a safe distance from anglers. The decision on when and what portions of the creel survey to conduct was reached by regional managers based on the current understanding of public health safety protocols and the comfort level of staff regarding contact with the public.

In a normal year, the first section of the annual creel survey report contains annual summary tables for effort, targeted species catch statistics, and economic summaries. Calculations for the statewide annual tables are done by summing 12 monthly estimates for the respective calculation. Since, in most cases, several months of angler interviews were not taken, most of the annual summary tables were omitted from the report. Any summaries would be misleading and would likely lead to misinterpretations when compared to other years. The first table, which summarizes angling effort, was left in since this table is calculated mostly from the pressure counts alone. In this case, only locations with 12 months of pressure counts were included. Trip calculations were omitted from this table since they are dependent on angler interviews. For the few locations where a full 12 months of angler counts and interviews were recorded, annual totals can still be derived from the individual location sections within the body of the report.

Program Overview

This document provides a summary of data collected by Tennessee Wildlife Resources Agency (TWRA) personnel for the statewide reservoir angler creel survey for the 2020 calendar year. Creel surveys were used to assess the fisheries of 17 reservoirs and 3 tailwaters throughout Tennessee using two basic sampling methods; roving and access point. This overview contains descriptions of: 1) survey designs, 2) sampling methodologies, and 3) analytical methods. Each description is divided into roving and access point surveys. The roving survey descriptions give a more thorough account of the methodology; access point survey descriptions only list methods that differed from roving surveys. The roving and access point creel survey designs were adopted from methods described by Malvestuto et al. (1978), Malvestuto (1996) and St. John (1992). The intention of this narrative is to provide readers with a brief overview of the statistical sampling framework.

Survey Designs

Creel clerks conducted surveys on 20 waterbodies with active, on-site methods whereby anglers were interviewed either during, or immediately following, fishing trips. Fishery-dependent information collected included: angler effort, trip duration, target preferences, catch, harvest, release, demographic measures, economic values and individual status as a tournament angler. All 20 waterbodies sampled in 2020 were sampled using roving creel survey methods.

(Roving Surveys)

The roving survey method used non-uniform probability, stratified random sampling to maximize sampling efficiency and minimize bias. Each reservoir was divided into a number of sections. The area of a section was originally defined by the ability of a creel clerk to complete a circuit in about 1 to 1.5 hours. Each area within a reservoir was assigned a sampling probability based on expected angler use within each of either 12 monthly time blocks or 4 quarterly time blocks. The sum of the area probabilities equaled 1.0. The fishing day was defined as the period of time from sunrise to sunset. Fishing days were divided into two sampling periods in which the period from sunrise to sunset was divided into two roughly equal periods. Sampling periods also were assigned probabilities based on expected angler use within each time block, and these summed to 1.0. Sampled days were divided into two strata (weekend days and weekday days) to homogenize the distributions of angler

occurrence, assuming that anglers would be more abundant during weekend samples when a greater proportion of the angling population would be expected to have more time for recreation.

Random work schedules were created prior to the beginning of the 2020 survey year. Within any given time block, a predetermined number of days were allocated to each day-type (weekend and weekday). Calendar days then were randomly chosen within each block for each day-type. Within each sample day, secondary sampling units consisted of all the possible combinations of time periods (2) and lake sections. Probabilities for secondary sample units were derived by multiplying the time period probability by the lake section probability. Secondary sampling unit probabilities summed to 1.0 for any given lake. One secondary sampling unit was randomly chosen each day; that is to say, each sample day, creel clerks worked one ½-day period within a single, pre-defined lake section.

(Access Point Surveys)

Although the sampling methodology for the access point creel surveys differed from the roving surveys, the framework used to determine the sampling designs was basically the same. The one exception was the substitution of angler access points (boat ramps) for reservoir areas. The secondary sample units comprised all combinations of access points and time periods, and the secondary sampling unit probabilities summed to 1.0. During each sample day, creel clerks worked one ½-day period at a single access point.

Sample Methodology

(Roving Surveys)

Creel clerks collected data during the scheduled work periods described previously. A roving creel survey sample consisted of two parts: angler counts and angler interviews. Daily counts of anglers were taken within the sample period by making a circuit of the lake concurrently with interviews during a single circuit of the lake section within a ½-day sampling period (count-as-you-go method). The count-as-you-go method required that check stations be established at ¼-way points on the route to enable clerks to stay on schedule and finish the single circuit during the allotted time. Travel direction was randomly determined by coin toss. All anglers fishing from either boats or from the shore were counted.

Creel clerks interviewed as many anglers as possible during a sample period. If there were more anglers than could be interviewed, then angling parties were systematically skipped to ensure that interviews were collected throughout the entire reservoir section in the allotted time.

Upon approaching anglers, creel clerks recorded information, which did not require interrupting fishing, including date, reservoir, sample area, fishing from the bank or a boat, and the number of anglers in the fishing party. When the clerk reached the angler or angling group, he asked if they would mind spending a few moments answering questions related to the fishing trip. If anglers did not wish to be interrupted, then the creel clerk moved on. If anglers did not mind responding to the interview, then the clerk asked how long they had been fishing, how much longer they expected to fish, what their primary target species was, what state and county they were from, the distance they traveled from home, the reason for the trip, the number of days in the trip, dollar amount of trip expenditures, and the additional amount of money they would be willing to spend if daily expenditures were to increase. The anglers were also categorized as a tournament (actively fishing in a tournament at the time of the interview) or a non-tournament angler. The creel clerk counted all fish harvested and recorded the bulk weight of each harvested species. Anglers were also asked how many of each species had been released. Each respondent's answers were recorded on pre-printed survey forms (Appendix I) using TWRA survey codes. Since anglers were interviewed before completing their fishing trips with roving surveys, interview data from roving surveys were based on uncompleted fishing trips.

(Access Point Surveys)

Access point surveys differed from roving creel surveys in that anglers were not interviewed until they had finished fishing and were leaving the water at an access site. Thus, interview data from access point surveys were based on completed fishing trips. During any given ½-day sampling period, the creel clerk waited at a boat

ramp and interviewed anglers as they left using the same interview format as used for roving surveys. All anglers leaving access sites were counted and as many as possible were interviewed.

Analytical Methods

Creel surveys conducted by TWRA used randomized sampling designs which, taken alone, only provide information about small portions of each reservoir fishery. To provide meaningful estimates about the populations from which the samples were drawn, the sample values must be expanded over space and time. The following narrative describes the calculations for these data expansions for any given reservoir. To assess the efficiency of the sampling effort and the variability of the estimates, relative standard errors (RSE) were calculated where possible. The RSE is the standard error (se) of an estimated value (y), expressed as a percentage of that value, or $RSE = (se/y) \times 100$. Mathematical formulas for the following estimates were given by Malvestuto et al. (1978).

(Roving Surveys)

Fishing Effort

Estimates of fishing effort were calculated using daily angler counts and the number of hours within a sample period. Thus, for any given sampling period, fishing effort, measured in angler-hours (e), was calculated as the product of the total angler count (c) and the number of hours assigned to the sampling period (h), or $e = c(h)$. This value estimates total angler-hours for a single lake section within a single time period, which must be expanded to an estimate of angler-hours for the entire lake for the whole day. This expansion is accomplished by dividing e by the probability for the secondary sampling unit (time period/lake section) worked that day. For example, if the time period probability was 0.5 and the lake section probability was 0.4, then the secondary sampling unit probability is 0.5×0.4 , or 0.20, so an estimate of $e=100$ angler-hours for a given secondary unit would be expanded to $100/0.2$ or $100 \times 5 = 500$ angler-hours for the whole waterbody for that entire day (E).

To derive estimates of total monthly fishing effort, means were taken across the daily values of E within each day-type stratum each month. These two daily mean values of fishing effort (one for weekends and one for weekdays) were weighted by the proportional number of those day types within each month (e.g. weekend weight = no. weekend-days/ total days in month), and then summed to provide a mean daily estimate of fishing effort for the month. This mean daily value then was multiplied by the total number of days in the month to give total monthly effort for the entire lake (T). Intended monthly fishing effort for a given species, or species group, was computed as the proportion of interviewed anglers fishing for that group times total monthly fishing effort. So, for example, if 25% of the anglers interviewed were fishing for black bass, the monthly-intended fishing effort for black bass would be $0.25(T)$.

Catch Rates (CPE, HPE and RPE)

Catch-per-unit-effort or CPE = the number of fish caught per hour, which includes fish harvested plus fish released back into the water. For roving creel surveys, CPE values are based on the number of fish caught by anglers at the time of interview (uncompleted fishing trips). For the following description, release or harvest values may be substituted for catch values to derive release per angler-hour, RPE, or harvest per angler-hour, HPE.

For each interview on a given sample day, the total number of fish caught by all anglers in the fishing party (n) was divided by the total time all anglers in the party had spent fishing (f) up to the point they were interviewed. These individual party CPE values (n/f) then were averaged to provide a daily CPE. A mean was taken across the daily CPE values within each day-type stratum, and then these weekday and weekend means were weighted and summed (as described for daily fishing effort above) to give a mean daily CPE for the time block. This mean daily value is representative of the time block as a whole, and becomes the monthly or quarterly CPE estimate for all species combined.

Catch, Harvest and Release

Total daily catch for an entire reservoir (C) was calculated by multiplying the total daily effort (E) by the daily CPE estimate. The same process was applied to release and harvest data to derive total daily release (R) and total daily harvest (H). The daily total catch values were used to calculate a mean daily catch within each day-type stratum each for block. The mean daily catch values for weekdays and weekends were weighted and summed across day types, as done for effort and CPE above, to derive a mean daily catch for the time block. This mean daily value then was multiplied by the number of days in the month or quarter (as done for fishing effort) to estimate total monthly/quarterly catch (M).

Estimates of catch for individual species were calculated from the percent composition of individual species recorded during interviews. For example, if a given species accounted for 40% of the total number of fish recorded during any given month, then the total monthly catch for that species would be $0.4(M)$.

Intended Species Catch Rates

Catch rates (CPE, RPE and HPE) for anglers targeting certain species were calculated based on interviews of anglers who intended to catch those species. For computations, interviews from anglers intending to catch various species were grouped. Catch rates for intended species were calculated for each interview by summing the number of fish caught of that species and dividing by fishing effort for all anglers in the party. A mean CPE then was taken across interviews within intended species categories to provide the intended species catch rates.

Caution should be exercised when interpreting these data since many of the target species groups were general categories (e.g. black bass, crappie) while other valid responses were more specific (e.g. largemouth bass, smallmouth bass). Anglers were asked to be as specific as possible regarding their target species, but often no discrimination was made between individual species within general groups. For example, calculations made for black bass only include data taken from anglers who stated black bass to be their target species group. The black bass category does not include values from anglers who specified they were fishing for largemouth bass or smallmouth bass. Calculations for these species are presented within their own categories. To obtain a true estimate of effort for black bass, all categories for black bass species, including the general category, must be summed (i.e. true total black bass effort = black bass effort + largemouth bass effort + smallmouth bass effort). The CPE estimates for intended species, however, are not additive since each estimate is based on a different value of intended fishing effort in the denominator, i.e., the fractions do not have a common denominator as they stand.

Relative Species Catch Rates

Relative catch rates are the proportional catch rates of individual species within the general intended species groups. These rates were computed by multiplying the intended catch rate for a given species group by the proportion of relevant species recorded in the creel. So, for example, if the intended catch rate for crappie is 1.8 fish/h, and black crappie represented 25% of the crappie in the creel and white crappie represented the remaining 75%, then the intended rate of 1.8 was partitioned into $1.8(.25) = 0.45$ for black crappie and $1.8(.75) = 1.35$ for white crappie. These relations do not hold for black bass, however, because there were usually more than one black bass intended catch rate (e.g., general black bass, largemouth bass, smallmouth bass, etc.), so there was no single rate to partition. The intended rates are not additive, as explained above, so the sum of the intended rates cannot serve as the single rate for black bass to be partitioned. So, the relative CPE values for black bass species were computed by generating a new total black bass catch rate by summing the monthly/quarterly total catches of all black bass species in the numerator, and dividing by the sum of total monthly/quarterly-intended fishing effort for all black bass in the denominator. This value then was partitioned by the proportion of each black bass species recorded in the creel. Although the species relative catch rates for black bass sum to this new total rate, the new rate is not a pure intended catch rate and thus is not reported elsewhere in the report. In summary, relative catch rates basically reflect the species composition of the catch within intended species groups, and thus do not represent true catch rates for those individual species, as do the intended rates.

Economic Values

Anglers were asked to give estimates of daily trip expenditures for items, which included fuel, food, bait, lodging and guides fees. They were also asked how much additional money they would be willing to spend if daily trip costs were to increase in the future. This value is anglers' willingness to pay above actual costs, and represents anglers' consumer surplus. Consumer surplus is equivalent to the amount of money that anglers would be willing to spend for the opportunity to fish a given resource, over-and-above what they actually have to spend. This amount of money is the theoretical profit associated with the fishery, as if it were privately owned. This value is necessary to compute so that the profit associated with recreational fisheries in Tennessee can be compared to other more traditional industries. Money spent for trip preparation and travel to the reservoirs (fuel, food, bait, etc.) is funneled into other businesses that provide goods and services enabling anglers to go fishing; this money, in turn, employs people in these business, and is re-cycled in the local economies, generating more goods, services and profits. Both components of economic value, trip expenditures and consumer surplus, sum to provide an estimate of total angler-oriented value.

Total monthly estimates of trip expenditures and consumer surplus were computed by multiplying the median dollar values per trip by the total number of angler-trips estimated for the month. This was first done for each intended species group and then the intended species values were summed to give the total monthly economic estimates. Median trip values for the economic responses were used because frequency distributions of expenditures per trip and consumer surplus per trip were skewed to the left, such that means were generally higher than medians, and thus the more conservative median values were used in the computations.

Tournament Status

Beginning in 2002, all anglers were asked if they were actively fishing in a tournament at the time of the interview. Each interview record was coded as yes (tournament fishing), or no (not tournament fishing). Analyses involving tournament angling were restricted to those individuals targeting black basses. Black bass catch rates (CPE) were calculated for tournament anglers as well as non-tournament angler. For comparison, percent of black bass effort and catch rates for by angler type were printed in tables at the end of each reservoir section in the report

(Access Point Surveys)

This section only describes estimates, which differ in computation from the roving survey methods. These differences include estimating fishing effort and catch rates. All other estimates were calculated the same way for the two survey techniques.

Fishing Effort

The standard difference between roving and access point surveys with respect to derivation of fishing effort is how angler-hours for the sample period are estimated. For roving surveys as described above, sample period effort is estimated as the angler count times the number of hours in the sample period. For access point surveys, however, angler-hours for the sample period are simply the sum of angler-hours recorded from completed trip interviews at the access point. This assumes that all anglers who exited the site were interviewed. If all anglers could not be interviewed upon exit, then angler-hours for the sample period were estimated as the mean completed trip time computed from interviews, times the total number of anglers who exited the site. Once sample period effort is computed, the computational techniques for access point surveys followed those outlined above for roving surveys.

Catch Rates

Catch rates from roving surveys should be computed differently than catch rates from access point surveys. This is because catch rate data are based on uncompleted trips from roving surveys. If trip data is not complete, then it is appropriate to compute a catch rate for each interview and then take a mean of these rates within any given day to provide a daily catch rate. This is the method described above for computation of catch rates from roving surveys. This method gives each interview equal weighting regardless of how long the anglers were fishing. Equal weighting is appropriate because the final length of the trip is not known. However, if the

completed trip length is known as with access point surveys, then catch rate is computed as the sum of catch across interviews (numerator) divided by the sum of effort across interviews (denominator). This provides a single total ratio estimate of CPE, which is equivalent to weighting each interview catch rate by the time spent fishing. This weighting is appropriate because the total fishing trip is represented in the data.

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This document would not be possible without the tireless efforts of the data collection staff (aka “creel clerks”) who work on the water year-round, sunrise to sunset, regardless of the conditions or disposition of the interview subjects in an effort to gain quality, unbiased data samples. These individuals follow:

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Michael Parker
Tim Poole
Andrew Pruitt
Paul Shaw
Danny Stone

STATEWIDE

STATEWIDE ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	PERCENT EFFORT
DALE HOLLOW RES	505161	9.3	21.7	12.0
REELFOOT LAKE	240218	8.6	22.9	5.7
TIMS FORD RES	260297	8.3	24.6	6.2
BARKLEY RES	131235	9.1	7.1	3.1
CENTER HILL RES	201523	8.3	11.1	4.8
SOUTH HOLSTON RES	233508	8.6	36.9	5.5
PERCY PRIEST RES	505070	7.2	35.6	12.0
OLD HICKORY RES	520069	7.0	23.0	12.3
TELLICO RES	158100	7.4	9.9	3.7
CHEATHAM RES	330109	22.8	44.4	7.8
CHILHOWEE RES	37154	4.5	21.4	0.9
PICKWICK RES	99189	7.8	16.3	2.4
KENTUCKY RES	904494	6.4	8.2	21.4
WILBUR TW	93801	4.6	.	2.2
=====	=====	=====	=====	=====
STATEWIDE	4219928	3.0	21.8	100.0

TWRA

REGION I

KENTUCKY
RESERVOIR

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=KENTUCKY RES

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	14102	22.3	0.1	2731	0.0	1.6
02 FEBRUARY	14573	14.4	0.1	2466	0.0	1.6
03 MARCH	109004	25.9	1.0	18326	0.2	12.1
04 APRIL	145775	13.9	1.3	5506	0.1	16.1
05 MAY	192117	11.0	1.8	.	.	21.2
06 JUNE	106241	14.7	1.0	.	.	11.7
07 JULY	68209	18.4	0.6	.	.	7.5
08 AUGUST	76021	36.9	0.7	.	.	8.4
09 SEPTEMBER	64905	25.8	0.6	.	.	7.2
10 OCTOBER	76898	16.3	0.7	.	.	8.5
11 NOVEMBER	21989	21.4	0.2	.	.	2.4
12 DECEMBER	14660	27.2	0.1	.	.	1.6
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TOTAL	904494			29029		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=KENTUCKY RES

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	12974	44.4	0.92	37.5	2256	84.1	0.16	81.6
02 FEBRUARY	19091	14.4	1.31	1.1	3789	15.1	0.26	4.6
03 MARCH	155876	39.6	1.43	28.9	64312	49.6	0.59	40.7
04 APRIL	0	.	0.00	.	0	.	0.00	.
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TOTAL	187941				70357			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=KENTUCKY RES

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
SKIPJACK HERRING	263	.	0.1	0	263	.	0.4	0	0.0	.	2
BLUE CATFISH	5098	169.0	2.7	5098	4170	184.7	5.9	4170	18.2	.	9
CHANNEL CATFISH	1521	408.7	0.8	380	927	400.1	1.3	464	39.1	.	2
WHITE BASS	21495	59.5	11.4	9385	9268	101.3	13.1	463	56.9	.	20
YELLOW BASS	9577	106.9	5.1	0	0	.	0.0	0	100.0	.	0
CHEROKEE BASS	113	865.0	0.1	0	0	.	0.0	0	100.0	.	0
SMALLMOUTH BASS	1627	382.1	0.9	1446	463	799.5	0.7	0	71.5	.	1
SPOTTED BASS	3350	205.0	1.8	1047	1184	0.0	1.7	0	64.7	.	9
LARGEMOUTH BASS	12865	83.5	6.8	11933	121	205.6	0.2	121	99.1	.	4
WHITE CRAPPIE	57271	32.8	30.3	56914	24505	48.2	34.7	24155	57.2	0.75	140
BLACK CRAPPIE	19618	71.9	10.4	19618	7242	107.4	10.3	7242	63.1	0.70	42
YELLOW PERCH	93	1016.5	0.0	0	0	.	0.0	0	100.0	.	0
SAUGER	3386	.	1.8	3386	789	.	1.1	789	76.7	.	6
FRESHWATER DRUM	11418	109.6	6.0	0	3244	210.7	4.6	0	71.6	.	7

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=KENTUCKY RES

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
ANY CATFISH	7825	71.8	1864	4.3	0.55	112.7	0.46	102.5	4
WHITE BASS	5563	41.4	1139	3.1	1.80		0.14		3
ANY BLACK BASS	82494	14.3	11926	45.4	0.29	39.5	0.01	401.7	18
ANY CRAPPIE	82208	25.6	13511	45.2	1.24	16.9	0.55	23.6	51
SAUGER	3634		589	2.0	3.00	14.8	0.67	22.1	2
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TOTAL	181724		29029						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=KENTUCKY RES

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	BLUE CATFISH	0.51	0.41
	CHANNEL CATFISH	0.04	0.05
ANY BLACK BASS	ANY BLACK BASS	0.00	0.00
	SMALLMOUTH BASS	0.02	0.00
	SPOTTED BASS	0.01	0.00
	LARGEMOUTH BASS	0.14	0.00
ANY CRAPPIE	ANY CRAPPIE	0.00	0.00
	WHITE CRAPPIE	0.92	0.42
	BLACK CRAPPIE	0.32	0.13

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=KENTUCKY RES

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
01 JANUARY	0		0	0.58	4
02 FEBRUARY	50	1	1	1.22	3
03 MARCH	0		0	0.77	9
04 APRIL	0		0	0.00	1

**SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020**

LOCATION=KENTUCKY RES

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	41880	26780	68660	4
WHITE BASS	27090	47450	74540	3
ANY BLACK BASS	319300	373830	693120	18
ANY CRAPPIE	244420	192500	436910	51
SAUGER	29470	29470	58930	2
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TOTAL	662160	670030	1332160	78

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=KENTUCKY RES

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	129	88.4
OTHERS	17	11.6

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
BENTON	19	15.0
CARROLL	11	8.7
CROCKETT	12	9.4
DICKSON	7	5.5
HARDIN	11	8.7
HENRY	19	15.0
HUMPHREYS	10	7.9
MONTGOMERY	9	7.1
OTHERS IN TN	29	22.8

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	72	48.6
B) 26-100	62	41.9
C) 101-250	10	6.8
D) > 250	4	2.7

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	47	58.8
B) 2-5	30	37.5
C) 6-10	3	3.8

KENTUCKY #1
NORTH
RESERVOIR

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=KENTUCKY RES - NORTH

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	7545	41.7	0.1	1419	0.0	1.4
02 FEBRUARY	4579	45.7	0.0	845	0.0	0.8
03 MARCH	90281	28.8	0.8	13441	0.1	16.3
04 APRIL	101730	19.6	0.9	.	.	18.4
05 MAY	109355	10.4	1.0	.	.	19.8
06 JUNE	68895	20.9	0.6	.	.	12.4
07 JULY	36486	15.1	0.3	.	.	6.6
08 AUGUST	28338	27.5	0.3	.	.	5.1
09 SEPTEMBER	38499	40.4	0.4	.	.	7.0
10 OCTOBER	41310	15.5	0.4	.	.	7.5
11 NOVEMBER	18023	22.8	0.2	.	.	3.3
12 DECEMBER	8593	36.3	0.1	.	.	1.6
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TOTAL	553634			15705		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=KENTUCKY RES - NORTH

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	9054	52.0	1.20	28.7	2188	63.1	0.29	43.7
02 FEBRUARY	9387	45.7	2.05	0.7	1328	45.9	0.29	4.2
03 MARCH	118268	40.7	1.31	27.6	46043	44.7	0.51	32.8
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TOTAL	136709				49559			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=KENTUCKY RES - NORTH

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
CHANNEL CATFISH	595	838.3	0.4	0	0	.	0.0	0	100.0	.	0
WHITE BASS	206	660.1	0.1	0	0	.	0.0	0	100.0	.	0
YELLOW BASS	6332	116.1	4.6	0	0	.	0.0	0	100.0	.	0
CHEROKEE BASS	113	865.0	0.1	0	0	.	0.0	0	100.0	.	0
SMALLMOUTH BASS	297	1681.6	0.2	297	0	.	0.0	0	100.0	.	0
SPOTTED BASS	297	1681.6	0.2	297	0	.	0.0	0	100.0	.	0
LARGEMOUTH BASS	12494	86.0	9.1	11547	121	205.6	0.2	121	99.0	.	4
WHITE CRAPPIE	55618	32.7	40.4	55618	23779	48.4	48.0	23779	57.2	0.74	137
BLACK CRAPPIE	19618	71.9	14.3	19618	7242	107.4	14.6	7242	63.1	0.70	42
YELLOW PERCH	93	1016.5	0.1	0	0	.	0.0	0	100.0	.	0
FRESHWATER DRUM	297	1681.6	0.2	0	0	.	0.0	0	100.0	.	0

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=KENTUCKY RES - NORTH

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
ANY CATFISH	1584	145.1	236	1.5	0.00		0.00		1
ANY BLACK BASS	27324	39.1	4143	26.7	0.82	12.4	0.01	108.7	13
ANY CRAPPIE	73498	27.4	11328	71.8	2.09	13.0	0.96	16.3	47
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TOTAL	102406		15707						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=KENTUCKY RES - NORTH

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH			
	CHANNEL CATFISH	0.00	0.00
ANY BLACK BASS			
	ANY BLACK BASS	0.00	0.00
	SMALLMOUTH BASS	0.01	0.00
	SPOTTED BASS	0.01	0.00
	LARGEMOUTH BASS	0.42	0.00
ANY CRAPPIE			
	ANY CRAPPIE	0.00	0.00
	WHITE CRAPPIE	1.55	0.74
	BLACK CRAPPIE	0.54	0.22

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=KENTUCKY RES - NORTH

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
01 JANUARY	0		0	0.76	3
02 FEBRUARY	50	1	1	0.67	1
03 MARCH	0		0	0.82	8

SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020

LOCATION=KENTUCKY RES - NORTH

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	1180	2360	3540	1
ANY BLACK BASS	172220	99470	271690	13
ANY CRAPPIE	208740	157410	366150	47
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TOTAL	382140	259240	641380	61

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=KENTUCKY RES - NORTH

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	95	86.4
OTHERS	15	13.6

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
BENTON	18	18.9
CARROLL	9	9.5
CROCKETT	12	12.6
DICKSON	5	5.3
HENRY	19	20.0
HUMPHREYS	7	7.4
MONTGOMERY	9	9.5
OBION	5	5.3
WEAKLEY	6	6.3
OTHERS IN TN	5	5.3

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	51	45.5
B) 26-100	49	43.8
C) 101-250	8	7.1
D) > 250	4	3.6

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	34	55.7
B) 2-5	24	39.3
C) 6-10	3	4.9

KENTUCKY #2
SOUTH
RESERVOIR

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=KENTUCKY RES - SOUTH

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	6557	.	0.1	1311	0.0	1.9
02 FEBRUARY	9994	.	0.1	1621	0.0	2.8
03 MARCH	18723	58.4	0.2	4884	0.0	5.3
04 APRIL	44045	8.6	0.4	5506	0.1	12.6
05 MAY	82762	21.6	0.8	.	.	23.6
06 JUNE	37346	15.9	0.3	.	.	10.6
07 JULY	31723	35.5	0.3	.	.	9.0
08 AUGUST	47684	56.5	0.4	.	.	13.6
09 SEPTEMBER	26406	23.4	0.2	.	.	7.5
10 OCTOBER	35588	30.3	0.3	.	.	10.1
11 NOVEMBER	3967	58.3	0.0	.	.	1.1
12 DECEMBER	6067	40.9	0.1	.	.	1.7
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TOTAL	350862			13322		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=KENTUCKY RES - SOUTH

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	3934	.	0.60	.	0	.	0.00	.
02 FEBRUARY	9694	.	0.97	.	2499	.	0.25	.
03 MARCH	38008	67.9	2.03	29.9	18536	78.8	0.99	45.7
04 APRIL	0	.	0.00	.	0	.	0.00	.
----- TOTAL	51636				21035			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=KENTUCKY RES - SOUTH

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
SKIPJACK HERRING	263	.	0.5	0	263	.	1.3	0	0.0	.	2
BLUE CATFISH	5098	169.0	9.9	5098	4170	184.7	19.8	4170	18.2	.	9
CHANNEL CATFISH	927	400.1	1.8	464	927	400.1	4.4	464	0.0	.	2
WHITE BASS	21289	59.7	41.1	9705	9268	101.3	44.1	463	56.5	.	20
YELLOW BASS	3245	219.6	6.3	0	0	.	0.0	0	100.0	.	0
SMALLMOUTH BASS	1329	278.5	2.6	1163	463	799.5	2.2	0	65.2	.	1
SPOTTED BASS	3053	154.3	5.9	814	1184	0.0	5.6	0	61.2	.	9
LARGEMOUTH BASS	371	.	0.7	371	0	.	0.0	0	100.0	.	0
WHITE CRAPPIE	1654	282.2	3.2	992	726	362.3	3.5	242	56.1	1.19	3
SAUGER	3386	.	6.5	3386	789	.	3.8	789	76.7	.	6
FRESHWATER DRUM	11121	103.2	21.5	0	3244	210.7	15.4	0	70.8	.	7

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=KENTUCKY RES - SOUTH

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
ANY CATFISH	6241	82.2	1628	7.9	1.09	56.9	0.91	51.8	3
WHITE BASS	5563	41.4	1139	7.0	1.80		0.14		3
ANY BLACK BASS	55170	9.2	7783	69.6	0.12	411.8	0.00		5
ANY CRAPPIE	8710	67.9	2182	11.0	0.29	41.1	0.10	95.9	4
SAUGER	3634		589	4.6	3.00	14.8	0.67	22.1	2
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TOTAL	79318		13321						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=KENTUCKY RES - SOUTH

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	BLUE CATFISH	1.00	0.82
	CHANNEL CATFISH	0.09	0.09
ANY BLACK BASS	SMALLMOUTH BASS	0.02	0.00
	SPOTTED BASS	0.01	0.00
	LARGEMOUTH BASS	0.01	0.00
ANY CRAPPIE	WHITE CRAPPIE	0.29	0.10

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=KENTUCKY RES - SOUTH

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
01 JANUARY	0		0	0.05	1
02 FEBRUARY	0		0	1.50	2
03 MARCH	0		0	0.33	1
04 APRIL	0		0	0.00	1

**SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020**

LOCATION=KENTUCKY RES - SOUTH

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	40700	24420	65120	3
WHITE BASS	27090	47450	74540	3
ANY BLACK BASS	147080	274360	421440	5
ANY CRAPPIE	35680	35080	70770	4
SAUGER	29470	29470	58930	2
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TOTAL	280020	410780	690800	17

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=KENTUCKY RES - SOUTH

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
MS	2	5.6
TN	34	94.4

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
CARROLL	2	6.3
CHESTER	2	6.3
DICKSON	2	6.3
HARDIN	11	34.4
HENDERSON	2	6.3
HUMPHREYS	3	9.4
LAWRENCE	2	6.3
McNAIRY	5	15.6
WILLIAMSON	2	6.3
OTHERS IN TN	1	3.1

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	21	58.3
B) 26-100	13	36.1
C) 101-250	2	5.6

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	13	68.4
B) 2-5	6	31.6

REELFOOT LAKE

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=REELFOOT LAKE

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
02 FEBRUARY	8646	77.8	0.8	1296	0.1	3.3
03 MARCH	28307	36.0	2.7	4504	0.4	10.8
04 APRIL	37900	18.0	3.6	5843	0.6	14.5
05 MAY	117150	12.1	11.2	.	.	44.7
06 JUNE	17768	15.8	1.7	.	.	6.8
07 JULY	29678	74.1	2.8	.	.	11.3
08 AUGUST	2446	36.0	0.2	.	.	0.9
09 SEPTEMBER	8024	33.9	0.8	.	.	3.1
10 OCTOBER	10477	26.1	1.0	.	.	4.0
11 NOVEMBER	1744	50.1	0.2	.	.	0.7
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TOTAL	262140			11643		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=REELFOOT LAKE

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
02 FEBRUARY	1297	145.8	0.15	100.0	1210	149.8	0.14	100.0
03 MARCH	22646	63.4	0.80	49.4	13021	53.8	0.46	37.6
04 APRIL	48891	22.9	1.29	13.9	29941	23.4	0.79	14.7
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TOTAL	72834				44172			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=REELFOOT LAKE

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
CHANNEL CATFISH	11191	57.8	15.4	8035	10324	60.5	23.4	7559	7.7	1.54	112
YELLOW BASS	4332	91.8	6.0	0	3468	105.3	7.9	0	19.9	0.56	29
BLUEGILL	3787	91.3	5.2	454	3098	104.9	7.0	443	18.2	0.47	21
LARGEMOUTH BASS	772	420.4	1.1	618	77	1042.6	0.2	0	90.0	2.85	1
WHITE CRAPPIE	10033	62.7	13.8	10033	4264	77.5	9.7	4264	57.5	1.19	61
BLACK CRAPPIE	5708	96.9	7.8	5708	2558	170.6	5.8	2558	55.2	0.94	30
FRESHWATER DRUM	3448	104.3	4.7	172	0	.	0.0	0	100.0	.	0

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=REELFOOT LAKE

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
ANY CATFISH	2088	64.0	325	2.8	2.33		2.09		2
ANY BLACK BASS	3165	52.3	494	4.2	0.25	55.3	0.00		5
ANY CRAPPIE	66064	20.0	10279	88.3	0.65	22.2	0.42	21.7	92
ANY SPECIES	3537	51.0	545	4.7	1.12	75.5	0.72	74.7	4
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TOTAL	74854		11643						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=REELFOOT LAKE

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH			
	CHANNEL CATFISH	2.33	2.09
ANY BLACK BASS			
	ANY BLACK BASS	0.00	0.00
	LARGEMOUTH BASS	0.20	0.00
ANY CRAPPIE			
	ANY CRAPPIE	0.00	0.00
	WHITE CRAPPIE	0.41	0.26
	BLACK CRAPPIE	0.24	0.16

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=REELFOOT LAKE

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
03 MARCH	0		0	0.26	2
04 APRIL	0		0	0.25	3

SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020

LOCATION=REELFOOT LAKE

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	13960	3080	17050	2
ANY BLACK BASS	3410	910	4320	2
ANY CRAPPIE	251570	92210	343780	57
ANY SPECIES	29990	4090	34080	2
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TOTAL	298930	100290	399230	63

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=REELFOOT LAKE

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
IN	11	5.8
KY	21	11.1
MO	38	20.0
TN	100	52.6
OTHERS	20	10.5

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
DYER	14	14
LAKE	20	20
OBION	54	54
OTHERS IN TN	12	12

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	74	38.9
B) 26-100	52	27.4
C) 101-250	36	18.9
D) > 250	28	14.7

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	77	74.8
B) 2-5	21	20.4
C) 6-10	3	2.9
D) 11-15	2	1.9

**BARKLEY
RESERVOIR**

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=BARKLEY RES

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	1691	44.3	0.1	370	0.0	1.3
02 FEBRUARY	3679	43.2	0.2	673	0.0	2.8
03 MARCH	10937	45.3	0.6	1750	0.1	8.3
04 APRIL	16210	26.6	0.9	.	.	12.4
05 MAY	27293	13.5	1.5	.	.	20.8
06 JUNE	18405	20.4	1.0	.	.	14.0
07 JULY	11752	63.8	0.6	.	.	9.0
08 AUGUST	9155	17.3	0.5	.	.	7.0
09 SEPTEMBER	9045	20.2	0.5	.	.	6.9
10 OCTOBER	7744	25.9	0.4	.	.	5.9
11 NOVEMBER	13101	10.3	0.7	.	.	10.0
12 DECEMBER	2223	46.8	0.1	.	.	1.7
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TOTAL	131235			2793		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=BARKLEY RES

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	2925	46.6	1.73	13.3	2334	51.9	1.38	24.8
02 FEBRUARY	2097	64.2	0.57	43.4	883	73.8	0.24	54.7
03 MARCH	7765	50.4	0.71	20.2	4156	62.3	0.38	39.2
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TOTAL	12787				7373			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=BARKLEY RES

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
CHANNEL CATFISH	45	1130.2	0.4	0	45	1130.2	0.6	0	0.0	.	1
WHITE BASS	7120	36.8	55.7	6425	5450	44.9	73.9	5450	23.5	0.95	152
YELLOW BASS	359	185.2	2.8	0	0	.	0.0	0	100.0	.	0
SMALLMOUTH BASS	278	289.8	2.2	278	0	.	0.0	0	100.0	.	0
SPOTTED BASS	398	161.1	3.1	371	0	.	0.0	0	100.0	.	0
LARGEMOUTH BASS	1364	72.1	10.7	1267	12	440.2	0.2	12	99.1	.	1
WHITE CRAPPIE	1791	72.2	14.0	1791	910	109.6	12.3	910	49.2	0.73	24
BLACK CRAPPIE	1353	110.8	10.6	1353	954	135.3	12.9	954	29.5	0.74	18
FRESHWATER DRUM	80	745.1	0.6	0	0	.	0.0	0	100.0	.	0

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=BARKLEY RES

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
WHITE BASS	6020	39.4	1040	36.9	2.17	13.3	1.69	14.7	14
ANY BLACK BASS	4786	45.5	797	29.4	0.98	27.9	0.01	123.6	12
ANY CRAPPIE	5500	41.8	957	33.7	1.22	38.7	0.58	38.9	14
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TOTAL	16306		2794						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=BARKLEY RES

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY BLACK BASS			
	SMALLMOUTH BASS	0.06	0.00
	SPOTTED BASS	0.08	0.00
	LARGEMOUTH BASS	0.26	0.00
ANY CRAPPIE			
	WHITE CRAPPIE	0.69	0.28
	BLACK CRAPPIE	0.53	0.30

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=BARKLEY RES

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
02 FEBRUARY	26	0.4	2	0.93	4
03 MARCH	0		0	1.06	6

SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020

LOCATION=BARKLEY RES

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
WHITE BASS	19880	1500	21380	14
ANY BLACK BASS	27480	13330	40810	12
ANY CRAPPIE	26180	7510	33700	14
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TOTAL	73540	22340	95890	40

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=BARKLEY RES

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
KY	7	9.3
TN	68	90.7

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
DAVIDSON	11	16.2
DICKSON	8	11.8
MONTGOMERY	22	32.4
STEWART	21	30.9
OTHERS IN TN	6	8.8

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	39	52.0
B) 26-100	31	41.3
C) 101-250	2	2.7
D) > 250	3	4.0

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	24	60.0
B) 2-5	15	37.5
C) 6-10	1	2.5

PICKWICK RESERVOIR

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=PICKWICK RES

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	3481	5.1	0.6	711	0.1	3.5
02 FEBRUARY	1717	48.1	0.3	327	0.1	1.7
03 MARCH	4742	63.6	0.8	856	0.1	4.8
04 APRIL	5242	.	0.9	874	0.1	5.3
05 MAY	25644	12.9	4.2	6411	1.0	25.9
06 JUNE	18475	10.6	3.0	.	.	18.6
07 JULY	3500	13.7	0.6	.	.	3.5
08 AUGUST	9798	53.9	1.6	.	.	9.9
09 SEPTEMBER	8640	20.7	1.4	.	.	8.7
10 OCTOBER	12181	12.9	2.0	.	.	12.3
11 NOVEMBER	3203	7.7	0.5	.	.	3.2
12 DECEMBER	2566	47.2	0.4	.	.	2.6
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TOTAL	99189			9179		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=PICKWICK RES

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	1114	27.7	0.32	26.9	0	.	0.00	.
02 FEBRUARY	103	126.6	0.06	100.0	0	.	0.00	.
03 MARCH	3414	.	0.72	.	237	.	0.05	.
04 APRIL	891	.	0.17	.	0	.	0.00	.
05 MAY	8206	.	0.32	.	0	.	0.00	.
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TOTAL	13728				237			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=PICKWICK RES

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
BLUE CATFISH	282	18.3	2.0	0	79	0	33.2	0	72.0	.	2
CHANNEL CATFISH	102	207.0	0.7	51	0	.	0.0	0	100.0	.	0
WHITE BASS	102	207.0	0.7	0	0	.	0.0	0	100.0	.	0
BLUEGILL	4924	.	35.8	4924	0	.	0.0	0	100.0	.	0
SMALLMOUTH BASS	254	83.5	1.8	212	0	.	0.0	0	100.0	.	0
LARGEMOUTH BASS	7105	4.6	51.6	5851	119	0	50.0	119	98.3	.	3
WHITE CRAPPIE	50	103.1	0.4	50	40	0	16.8	40	20.0	.	1
FRESHWATER DRUM	953	26.3	6.9	0	0	.	0.0	0	100.0	.	0

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=PICKWICK RES

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
ANY CATFISH	908	48.9	185	2.2	0.04	96.0	0.00		2
ANY SUNFISH	25644	12.9	6411	62.8	0.40		0.00		1
ANY BLACK BASS	13559	22.5	2444	33.2	0.35	31.3	0.01	282.6	27
ANY CRAPPIE	714	70.1	139	1.7	0.11	70.8	0.05	0.0	5
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TOTAL	40825		9179						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=PICKWICK RES

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	BLUE CATFISH	0.00	0.00
	CHANNEL CATFISH	0.04	0.00
ANY SUNFISH	BLUEGILL	0.40	0.00
ANY BLACK BASS	SMALLMOUTH BASS	0.02	0.00
	LARGEMOUTH BASS	0.43	0.01
ANY CRAPPIE	WHITE CRAPPIE	0.11	0.05

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=PICKWICK RES

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
01 JANUARY	0		0	0.35	8
02 FEBRUARY	0		0	0.18	7
03 MARCH	22	0.42	2	0.27	9
04 APRIL	0		0	0.43	1

SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020

LOCATION=PICKWICK RES

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	2550	2090	4640	2
ANY SUNFISH	128220	128220	256440	1
ANY BLACK BASS	98830	74620	173450	27
ANY CRAPPIE	3970	6490	10450	5
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TOTAL	233570	211420	444980	35

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=PICKWICK RES

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
MS	7	9.6
TN	66	90.4

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
CARROLL	6	9.1
CHESTER	4	6.1
HARDIN	21	31.8
McNAIRY	7	10.6
MADISON	4	6.1
SHELBY	15	22.7
OTHERS IN TN	9	13.6

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	29	39.7
B) 26-100	37	50.7
C) 101-250	7	9.6

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	30	83.3
B) 2-5	6	16.7

TWRA
REGION II

J. PERCY PRIEST
RESERVOIR

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=PERCY PRIEST RES

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	16086	26.7	1.1	3998	0.3	3.2
02 FEBRUARY	12128	20.8	0.9	3265	0.2	2.4
03 MARCH	59908	28.4	4.2	13235	0.9	11.9
04 APRIL	64985	21.6	4.6	12116	0.9	12.9
05 MAY	107385	17.3	7.6	25086	1.8	21.3
06 JUNE	57302	14.5	4.0	12692	0.9	11.3
07 JULY	26741	13.3	1.9	6414	0.5	5.3
08 AUGUST	44499	35.5	3.1	9647	0.7	8.8
09 SEPTEMBER	35275	16.2	2.5	7145	0.5	7.0
10 OCTOBER	36493	7.3	2.6	7536	0.5	7.2
11 NOVEMBER	29488	28.5	2.1	6432	0.5	5.8
12 DECEMBER	14780	35.8	1.0	3486	0.2	2.9
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TOTAL	505070			111052		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=PERCY PRIEST RES

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	23325	50.5	1.45	41.4	11260	37.8	0.70	25.7
02 FEBRUARY	16858	42.1	1.39	35.7	5579	51.2	0.46	45.4
03 MARCH	75484	38.4	1.26	25.0	32350	38.4	0.54	24.9
04 APRIL	103326	35.3	1.59	27.2	33792	33.1	0.52	24.5
05 MAY	93425	21.8	0.87	13.0	26846	21.5	0.25	12.8
06 JUNE	58448	21.6	1.02	15.8	26359	23.0	0.46	17.7
07 JULY	18986	22.5	0.71	17.9	6685	31.2	0.25	28.0
08 AUGUST	40494	70.8	0.91	57.5	11570	55.2	0.26	39.9
09 SEPTEMBER	32806	29.8	0.93	24.7	11994	37.4	0.34	33.5
10 OCTOBER	61308	13.2	1.68	11.1	28100	22.9	0.77	21.6
11 NOVEMBER	34796	36.1	1.18	21.4	16218	36.1	0.55	21.4
12 DECEMBER	18327	48.2	1.24	30.4	6503	48.9	0.44	31.1
----- TOTAL	577583				217256			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=PERCY PRIEST RES

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
ALEWIFE	190	976.3	0.0	0	190	976.3	0.1	0	0.0	.	2
CARP	292	895.6	0.1	195	222	1035.8	0.1	222	24.0	.	2
BLUE CATFISH	748	422.6	0.1	427	748	422.6	0.3	427	0.0	.	7
CHANNEL CATFISH	10074	60.9	1.7	5158	6744	65.0	3.1	3764	33.1	1.85	86
FLATHEAD CATFISH	1344	368.8	0.2	791	803	368.3	0.4	511	40.3	3.25	11
WHITE BASS	57641	20.9	10.0	29677	25299	26.5	11.6	19055	56.1	1.30	393
YELLOW BASS	39241	49.7	6.8	13905	11435	50.5	5.3	4507	70.9	0.52	170
STRIPED BASS	430	925.0	0.1	172	190	976.3	0.1	190	55.8	.	2
CHEROKEE BASS	37709	29.1	6.5	30200	13087	39.7	6.0	12109	65.3	4.14	174
GREEN SUNFISH	12461	64.9	2.2	11328	11200	66.9	5.2	10338	10.1	.	117
WARMOUTH	325	888.6	0.1	108	254	1047.8	0.1	0	21.8	.	2
BLUEGILL	42403	26.3	7.3	28641	22701	30.5	10.4	16137	46.5	0.36	249
LONGEAR SUNFISH	5718	142.3	1.0	4447	4401	143.2	2.0	3257	23.0	0.10	50
REDEAR SUNFISH	2136	297.3	0.4	1799	1863	309.0	0.9	1863	12.8	.	16
SMALLMOUTH BASS	11207	71.3	1.9	1894	1048	184.5	0.5	459	90.6	4.01	16
SPOTTED BASS	2316	296.4	0.4	579	216	680.5	0.1	144	90.7	0.75	3
LARGEMOUTH BASS	101809	14.0	17.6	86967	11299	26.6	5.2	9696	88.9	2.83	148
WHITE CRAPPIE	132043	13.0	22.8	128863	55189	16.9	25.4	53884	58.2	0.66	761
BLACK CRAPPIE	119060	14.1	20.6	116827	50309	18.5	23.2	49355	57.7	0.71	738
FRESHWATER DRUM	919	511.3	0.2	276	55	1509.4	0.0	0	94.0	.	1

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=PERCY PRIEST RES

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
ANY CATFISH	17617	17.5	3872	3.5	0.27	77.0	0.25	84.5	46
WHITE BASS	9054	22.4	1898	1.8	2.07	48.9	1.47	38.6	23
STRIPED BASS	677	64.7	157	0.1	0.00		0.00		3
CHEROKEE BASS	60572	11.1	13543	12.0	0.44	31.9	0.18	36.6	156
ANY SUNFISH	10344	21.1	2279	2.0	1.60	33.6	1.10	60.0	27
ANY BLACK BASS	1340	49.5	279	0.3	0.00		0.00		5
SMALLMOUTH BASS	9434	24.4	2078	1.9	0.13	58.0	0.02	154.2	26
LARGEMOUTH BASS	127937	8.7	28182	25.3	0.53	19.0	0.06	42.0	406
ANY CRAPPIE	131152	9.7	28412	26.0	1.74	21.0	0.79	21.4	383
ANY SPECIES	136634	8.8	30282	27.1	1.03	59.6	0.49	43.3	290
OTHER	307	145.9	72	0.1	0.00		0.00		1
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TOTAL	505068		111054						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=PERCY PRIEST RES

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	BLUE CATFISH	0.02	0.02
	CHANNEL CATFISH	0.22	0.20
	FLATHEAD CATFISH	0.03	0.03
ANY SUNFISH	GREEN SUNFISH	0.39	0.36
	WARMOUTH	0.00	0.00
	BLUEGILL	0.99	0.56
	LONGEAR SUNFISH	0.15	0.11
	REDEAR SUNFISH	0.06	0.06
ANY BLACK BASS	SMALLMOUTH BASS	0.01	0.00
	SPOTTED BASS	0.00	0.00
	LARGEMOUTH BASS	0.63	0.07
ANY CRAPPIE	WHITE CRAPPIE	0.91	0.41
	BLACK CRAPPIE	0.83	0.38

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=PERCY PRIEST RES

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
01 JANUARY	24	0.24	2	0.23	12
02 FEBRUARY	22	0.35	4	0.15	24
03 MARCH	22	0.59	6	0.36	42
04 APRIL	13	0.67	3	0.65	35
05 MAY	2	1.33	1	0.65	55
06 JUNE	26	0.67	12	0.85	33
07 JULY	0		0	0.51	43
08 AUGUST	33	0.71	7	0.26	17
09 SEPTEMBER	62	0.47	18	0.35	35
10 OCTOBER	28	0.18	6	0.36	30
11 NOVEMBER	43	0.34	4	0.33	17
12 DECEMBER	25	0.28	6	0.20	23

OLD HICKORY RESERVOIR

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=OLD HICKORY RES

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	14310	33.5	0.6	3267	0.1	2.8
02 FEBRUARY	9482	26.2	0.4	2248	0.1	1.8
03 MARCH	20474	39.4	0.9	4977	0.2	3.9
04 APRIL	70048	28.5	3.1	16726	0.7	13.5
05 MAY	92341	11.8	4.1	22457	1.0	17.8
06 JUNE	43525	29.0	1.9	9698	0.4	8.4
07 JULY	62877	22.5	2.8	16281	0.7	12.1
08 AUGUST	65366	10.4	2.9	12065	0.5	12.6
09 SEPTEMBER	54730	21.8	2.4	11908	0.5	10.5
10 OCTOBER	31099	17.2	1.4	5600	0.2	6.0
11 NOVEMBER	31449	25.4	1.4	7064	0.3	6.0
12 DECEMBER	24368	33.6	1.1	5895	0.3	4.7
----- TOTAL	520069			118186		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=OLD HICKORY RES

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	6010	43.4	0.42	26.3	2290	45.1	0.16	28.5
02 FEBRUARY	2750	83.7	0.29	76.3	1138	90.6	0.12	81.3
03 MARCH	7166	62.9	0.35	46.1	3071	90.7	0.15	78.2
04 APRIL	36425	36.2	0.52	21.5	5604	46.1	0.08	32.9
05 MAY	76643	17.6	0.83	13.0	21238	25.4	0.23	22.7
06 JUNE	32644	30.0	0.75	7.3	3047	82.1	0.07	75.8
07 JULY	37097	48.9	0.59	42.1	10060	59.5	0.16	53.5
08 AUGUST	28761	35.3	0.44	33.4	6537	75.6	0.10	74.9
09 SEPTEMBER	37216	33.8	0.68	25.2	13135	52.8	0.24	47.7
10 OCTOBER	26745	29.5	0.86	23.7	20525	35.6	0.66	30.7
11 NOVEMBER	27046	38.6	0.86	28.4	8177	43.1	0.26	33.9
12 DECEMBER	37527	43.2	1.54	25.8	13646	43.2	0.56	25.7
----- TOTAL	356030				108468			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=OLD HICKORY RES

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
PADDLEFISH	104	1640.3	0.0	0	0	.	0.0	0	100.0	.	0
LONGNOSE GAR	99	1506.2	0.0	0	99	1506.2	0.1	0	0.0	.	1
SKIPJACK HERRING	4519	179.5	1.3	3537	4354	184.0	4.0	3317	3.7	.	21
BLUE CATFISH	5386	102.5	1.5	4873	3868	108.9	3.6	3385	28.2	.	24
CHANNEL CATFISH	20975	38.2	5.9	15570	15142	38.9	14.0	12904	27.8	6.70	115
FLATHEAD CATFISH	943	354.2	0.3	674	551	496.2	0.5	413	41.6	4.10	4
RAINBOW TROUT	32	793.4	0.0	0	32	793.4	0.0	0	0.0	3.20	1
ANY TEMPERATE BASS	248	1076.8	0.1	0	0	.	0.0	0	100.0	.	0
WHITE BASS	6092	130.4	1.7	3655	2064	188.3	1.9	1651	66.1	0.70	10
YELLOW BASS	1131	360.0	0.3	103	0	.	0.0	0	100.0	.	0
STRIPED BASS	7420	133.8	2.1	6720	1588	186.8	1.5	1344	78.6	14.83	13
ROCK BASS	131	2102.1	0.0	131	0	.	0.0	0	100.0	.	0
GREEN SUNFISH	6283	135.3	1.8	6283	3444	148.9	3.2	3444	45.2	.	19
WARMOUTH	464	914.7	0.1	155	0	.	0.0	0	100.0	.	0
BLUEGILL	57815	22.6	16.2	40185	18284	31.9	16.9	14475	68.4	0.35	144
LONGEAR SUNFISH	2721	273.4	0.8	2721	549	515.7	0.5	549	79.8	.	4
REDEAR SUNFISH	17166	71.0	4.8	7188	8020	93.9	7.4	5347	53.3	0.60	60
SMALLMOUTH BASS	1732	332.2	0.5	346	0	.	0.0	0	100.0	.	0
SPOTTED BASS	944	475.5	0.3	472	402	377.4	0.4	0	57.4	.	2
LARGEMOUTH BASS	147656	12.4	41.4	143947	24021	23.2	22.1	24021	83.7	2.76	193
WHITE CRAPPIE	35971	34.3	10.1	32678	13060	50.7	12.0	12553	63.7	0.50	103
BLACK CRAPPIE	24227	44.6	6.8	23462	8663	69.4	8.0	8302	64.2	0.85	72
SAUGER	6324	109.6	1.8	5145	2185	88.0	2.0	2078	65.4	2.22	41
WALLEYE	2534	144.7	0.7	1689	1685	157.7	1.6	1296	33.5	2.38	13
FRESHWATER DRUM	5393	125.6	1.5	753	458	299.8	0.4	115	91.5	.	4

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=OLD HICKORY RES

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
ANY CATFISH	53654	13.4	12311	10.3	0.44	48.5	0.35	61.1	82
WHITE BASS	3915	43.4	890	0.8	0.30	224.7	0.19	241.7	8
STRIPED BASS	37011	14.7	8200	7.1	0.18	64.6	0.04	110.6	60
ANY SUNFISH	14865	22.0	3216	2.9	2.04	53.4	0.85	108.6	21
ANY BLACK BASS	1668	64.3	415	0.3	0.78	5.3	0.05	11.3	3
SMALLMOUTH BASS	2611	46.2	580	0.5	0.00		0.00		6
LARGEMOUTH BASS	211105	8.2	47281	40.6	0.60	18.3	0.10	35.4	356
ANY CRAPPIE	56506	15.5	13158	10.9	0.99	43.0	0.36	44.9	103
SAUGER	8704	25.9	2052	1.7	0.55	54.8	0.23	71.5	21
WALLEYE	8765	28.5	2008	1.7	0.17	62.2	0.12	77.5	18
ANY SPECIES	120946	9.7	28016	23.3	0.75	36.7	0.24	53.3	195
OTHER	321	128.3	58	0.1	0.00		0.00		1
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TOTAL	520071		118185						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=OLD HICKORY RES

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	BLUE CATFISH	0.10	0.07
	CHANNEL CATFISH	0.32	0.27
	FLATHEAD CATFISH	0.01	0.01
ANY SUNFISH	GREEN SUNFISH	0.23	0.12
	WARMOUTH	0.01	0.00
	BLUEGILL	1.45	0.52
	LONGEAR SUNFISH	0.10	0.02
	REDEAR SUNFISH	0.26	0.19
ANY BLACK BASS	SMALLMOUTH BASS	0.00	0.00
	SPOTTED BASS	0.00	0.00
	LARGEMOUTH BASS	0.67	0.11
ANY CRAPPIE	WHITE CRAPPIE	0.58	0.22
	BLACK CRAPPIE	0.41	0.14

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=OLD HICKORY RES

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
01 JANUARY	0		0	0.46	3
02 FEBRUARY	24	0.20	1	0.13	11
03 MARCH	73	0.73	6	1.16	10
04 APRIL	21	1.04	3	0.68	27
05 MAY	40	1.01	16	0.50	54
06 JUNE	29	1.38	7	0.59	30
07 JULY	20	1.08	4	0.59	34
08 AUGUST	88	0.43	26	0.16	17
09 SEPTEMBER	11	0.21	7	0.58	55
10 OCTOBER	77	0.41	16	0.27	8
11 NOVEMBER	0		0	0.37	16
12 DECEMBER	0		0	0.24	13

SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020

LOCATION=OLD HICKORY RES

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
LARGEMOUTH BASS	1197830	1610490	2808320	2

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=OLD HICKORY RES

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
KS	1	33.3
NC	2	66.7

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
D) > 250	3	100

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
B) 2-5	1	50
C) 6-10	1	50

CHEATHAM RESERVOIR

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=CHEATHAM RES

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	5590	14.9	0.8	1406	0.2	1.7
02 FEBRUARY	15471	40.1	2.1	6278	0.8	4.7
03 MARCH	13904	10.9	1.9	4192	0.6	4.2
04 APRIL	109717	62.2	14.7	29082	3.9	33.2
05 MAY	36108	9.8	4.8	.	.	10.9
06 JUNE	17788	21.6	2.4	.	.	5.4
07 JULY	49066	50.8	6.6	9129	1.2	14.9
08 AUGUST	20919	53.6	2.8	4328	0.6	6.3
09 SEPTEMBER	21242	36.6	2.9	4335	0.6	6.4
10 OCTOBER	20937	40.6	2.8	4345	0.6	6.3
11 NOVEMBER	11559	45.1	1.6	1713	0.2	3.5
12 DECEMBER	7808	37.0	1.0	1912	0.3	2.4
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TOTAL	330109			66720		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=CHEATHAM RES

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	4025	42.7	0.72	39.6	559	55.8	0.10	55.3
02 FEBRUARY	9437	66.7	0.61	49.5	6653	85.6	0.43	70.8
03 MARCH	10706	56.7	0.77	55.3	5005	37.8	0.36	36.4
04 APRIL	29624	67.4	0.27	21.7	27429	64.9	0.25	15.4
07 JULY	32384	.	0.66	.	15701	.	0.32	.
08 AUGUST	8577	.	0.41	.	0	.	0.00	.
09 SEPTEMBER	18481	58.6	0.87	43.2	12320	78.2	0.58	65.0
10 OCTOBER	22821	63.4	1.09	45.3	6490	48.1	0.31	23.9
11 NOVEMBER	28088	.	2.43	.	347	.	0.03	.
12 DECEMBER	7652	40.8	0.98	16.1	2420	45.7	0.31	25.3
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TOTAL	171795				76924			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=CHEATHAM RES

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
SKIPJACK HERRING	11295	108.5	6.6	314	10332	117.4	13.4	397	8.5	0.75	26
SMALLMOUTH BUFFALO	605	424.8	0.4	0	605	424.8	0.8	0	0.0	2.50	1
BLUE CATFISH	1224	300.5	0.7	918	952	269.9	1.2	952	22.2	11.33	3
CHANNEL CATFISH	42060	41.8	24.5	32608	28090	59.6	36.5	23805	33.2	2.54	59
FLATHEAD CATFISH	272	967.6	0.2	0	0	.	0.0	0	100.0	.	0
WHITE BASS	11778	121.8	6.9	9498	9867	144.4	12.8	7722	16.2	1.05	23
YELLOW BASS	5486	247.1	3.2	0	5486	247.1	7.1	0	0.0	0.25	2
STRIPED BASS	921	418.3	0.5	553	552	496.8	0.7	368	40.1	6.57	3
CHEROKEE BASS	2054	168.6	1.2	1826	455	242.1	0.6	455	77.8	3.00	3
ORANGE SPOTTED SUNFISH	4907	.	2.9	4907	4907	.	6.4	4907	0.0	.	5
BLUEGILL	5551	198.9	3.2	2220	2813	354.4	3.7	1407	49.3	0.25	2
SMALLMOUTH BASS	27101	26.7	15.8	23789	1879	86.3	2.4	1879	93.1	2.88	10
SPOTTED BASS	11688	68.2	6.8	6493	440	237.8	0.6	440	96.2	1.25	2
LARGEMOUTH BASS	3846	107.1	2.2	3077	553	248.2	0.7	553	85.6	1.33	3
BLACK CRAPPIE	981	.	0.6	0	981	.	1.3	0	0.0	0.50	1
SAUGER	24565	32.6	14.3	23620	4330	51.8	5.6	3402	82.4	1.39	14
WALLEYE	880	152.5	0.5	0	880	152.5	1.1	0	0.0	2.63	4
FRESHWATER DRUM	12339	84.8	7.2	0	2743	363.4	3.6	0	77.8	0.50	1

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=CHEATHAM RES

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
ANY CATFISH	57172	41.3	13499	20.7	0.61	57.0	0.43	82.7	20
RAINBOW TROUT	678	81.9	204	0.2	0.00		0.00		1
ANY TROUT	386	84.3	97	0.1	0.33	67.3	0.00		2
WHITE BASS	11354	34.3	3923	4.1	0.53	43.4	0.39	60.1	15
STRIPED BASS	8854	46.2	1989	3.2	0.05	150.3	0.03	142.0	13
CHEROKEE BASS	27119	85.1	7175	9.8	0.11	11.8	0.01	34.5	5
ANY SUNFISH	12297	97.2	2876	4.5	0.65		0.47		3
ANY BLACK BASS	27007	40.4	5382	9.8	0.65	84.5	0.09	154.7	13
SMALLMOUTH BASS	36913	41.0	7338	13.4	0.97	35.4	0.07	124.0	15
SPOTTED BASS	8055	89.3	1389	2.9	0.31		0.00		2
ANY CRAPPIE	15234	98.5	3904	5.5	0.07	247.7	0.00		3
SAUGER	11609	38.6	2809	4.2	1.54	26.3	0.14	41.6	15
WALLEYE	1163	103.2	241	0.4	0.00		0.00		1
ANY SPECIES	50566	60.7	13891	18.3	0.16	127.6	0.15	134.5	19
OTHER	7810	129.1	2000	2.8	0.00		0.00		4
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TOTAL	276217		66717						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=CHEATHAM RES

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	ANY CATFISH	0.00	0.00
	BLUE CATFISH	0.02	0.02
	CHANNEL CATFISH	0.59	0.41
	FLATHEAD CATFISH	0.00	0.00
ANY TROUT	ANY TROUT	0.00	0.00
ANY SUNFISH	ANY SUNFISH	0.00	0.00
	ORANGE SPOTTED SUNFISH	0.45	0.37
	BLUEGILL	0.20	0.10
ANY BLACK BASS	SMALLMOUTH BASS	0.33	0.03
	SPOTTED BASS	0.09	0.01
	LARGEMOUTH BASS	0.04	0.01
ANY CRAPPIE	ANY CRAPPIE	0.00	0.00
	BLACK CRAPPIE	0.00	0.00

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=CHEATHAM RES

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
07 JULY	27	0.00	1	0.94	4
08 AUGUST	0		0	0.82	5
09 SEPTEMBER	0		0	0.38	6
10 OCTOBER	0		0	1.23	9
11 NOVEMBER	70	0.86	1	0.67	1
12 DECEMBER	0		0	1.03	3

SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020

LOCATION=CHEATHAM RES

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
SAUGER	7970	23900	31870	1
ANY SPECIES	5100			1
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TOTAL	13070	23900	31870	2

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=CHEATHAM RES

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	24	96
OTHERS	1	4

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
DAVIDSON	5	10.9
RUTHERFORD	3	6.5
WILSON	11	23.9
OTHERS IN TN	5	10.9
OUT-OF-STATE	22	47.8

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	20	64.5
B) 26-100	8	25.8
C) 101-250	3	9.7

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	13	92.9
B) 2-5	1	7.1

TIMS FORD RESERVOIR

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=TIMS FORD RES

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	9290	28.6	0.9	1748	0.2	3.6
02 FEBRUARY	16636	48.0	1.6	3034	0.3	6.4
03 MARCH	38836	28.8	3.7	6766	0.6	14.9
04 APRIL	31993	27.5	3.0	5661	0.5	12.3
05 MAY	33754	12.6	3.2	6629	0.6	13.0
06 JUNE	28986	21.1	2.7	6113	0.6	11.1
07 JULY	23736	26.4	2.2	5229	0.5	9.1
08 AUGUST	20766	27.2	2.0	4567	0.4	8.0
09 SEPTEMBER	19994	29.1	1.9	3970	0.4	7.7
10 OCTOBER	19180	24.0	1.8	3284	0.3	7.4
11 NOVEMBER	6502	35.5	0.6	1276	0.1	2.5
12 DECEMBER	10624	28.4	1.0	1956	0.2	4.1
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TOTAL	260297			50233		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=TIMS FORD RES

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	5295	42.2	0.57	30.0	186	39.3	0.02	34.5
02 FEBRUARY	1331	54.3	0.08	22.5	499	68.5	0.03	42.2
03 MARCH	17865	40.3	0.46	27.1	1553	74.5	0.04	68.6
04 APRIL	26234	38.7	0.82	26.4	3199	53.2	0.10	44.8
05 MAY	24303	40.4	0.72	38.1	13839	71.3	0.41	69.7
06 JUNE	16812	27.5	0.58	17.3	4638	47.4	0.16	40.2
07 JULY	22074	49.5	0.93	40.6	4510	52.1	0.19	43.0
08 AUGUST	19105	38.5	0.92	26.1	3115	69.1	0.15	60.9
09 SEPTEMBER	15595	55.7	0.78	45.8	8397	94.4	0.42	85.7
10 OCTOBER	19180	37.6	1.00	28.1	2877	60.1	0.15	54.0
11 NOVEMBER	10598	56.3	1.63	41.2	1170	62.6	0.18	50.0
12 DECEMBER	10624	33.4	1.00	17.0	2444	74.0	0.23	66.8
----- TOTAL	189016				46427			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=TIMS FORD RES

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
ANY GAR	70	1342.1	0.0	70	0	.	0.0	0	100.0	.	0
LONGNOSE GAR	71	754.2	0.0	0	71	754.2	0.2	0	0.0	.	1
ANY BUFFALO	158	1092.3	0.1	0	0	.	0.0	0	100.0	.	0
BLUE CATFISH	1975	121.2	1.0	1317	1106	122.0	2.4	962	44.0	.	23
CHANNEL CATFISH	2002	140.9	1.1	1401	979	150.4	2.1	734	51.1	.	12
FLATHEAD CATFISH	550	482.4	0.3	0	169	542.1	0.4	0	69.3	.	2
WHITE BASS	352	493.5	0.2	101	0	.	0.0	0	100.0	.	0
YELLOW BASS	4006	129.5	2.1	261	542	453.5	1.2	181	86.5	.	6
STRIPED BASS	14185	51.7	7.5	9654	1581	107.6	3.4	1242	88.9	.	14
CHEROKEE BASS	13117	49.4	7.0	6451	2294	95.3	4.9	1529	82.5	.	24
ROCK BASS	1480	376.9	0.8	0	0	.	0.0	0	100.0	.	0
WARMOUTH	71	1619.9	0.0	0	0	.	0.0	0	100.0	.	0
BLUEGILL	17881	43.0	9.5	11186	8167	64.8	17.6	4733	54.3	.	88
SMALLMOUTH BASS	49328	18.2	26.2	47787	2662	62.3	5.7	2662	94.6	2.73	36
SPOTTED BASS	2472	136.5	1.3	2413	186	245.6	0.4	149	92.5	1.95	5
LARGEMOUTH BASS	42106	20.2	22.3	39858	9996	39.5	21.5	9903	76.3	2.70	108
WHITE CRAPPIE	3564	89.4	1.9	3443	927	165.0	2.0	878	74.0	0.87	19
BLACK CRAPPIE	4207	116.6	2.2	4207	2093	131.6	4.5	2093	50.2	0.91	31
BLACKNOSE CRAPPIE	27229	32.0	14.4	26488	14576	41.3	31.4	14390	46.5	0.84	157
WALLEYE	681	237.2	0.4	511	603	231.4	1.3	402	11.5	.	6

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=TIMS FORD RES

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
ANY CATFISH	3097	36.4	638	1.2	0.83	88.3	0.70	104.8	9
ANY TEMPERATE BASS	197	137.4	35	0.1	0.00		0.00		1
STRIPED BASS	11940	20.1	2484	4.6	0.72	146.9	0.08	214.8	33
CHEROKEE BASS	6577	24.7	1357	2.5	0.72	56.7	0.12	73.4	22
ANY SUNFISH	2685	40.3	541	1.0	2.42	31.5	2.05	37.3	8
ANY BLACK BASS	156132	9.5	29664	60.0	0.45	19.3	0.05	46.0	526
SMALLMOUTH BASS	2382	40.8	437	0.9	1.15	43.1	0.00		9
LARGEMOUTH BASS	742	71.3	131	0.3	0.20	31.3	0.00		3
ANY CRAPPIE	37247	12.8	7041	14.3	0.83	36.7	0.40	40.2	124
WALLEYE	4529	29.9	947	1.7	0.19	144.5	0.13	214.8	22
ANY SPECIES	33782	13.3	6783	13.0	0.55	57.7	0.06	121.9	78
OTHER	987	65.4	175	0.4	0.00		0.00		2
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TOTAL	260297		50233						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=TIMS FORD RES

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	ANY CATFISH	0.00	0.00
	BLUE CATFISH	0.40	0.40
	CHANNEL CATFISH	0.43	0.30
	FLATHEAD CATFISH	0.00	0.00
ANY TEMPERATE BASS	STRIPED BASS	0.00	0.00
	CHEROKEE BASS	0.00	0.00
ANY SUNFISH	ANY SUNFISH	0.00	0.00
	WARMOUTH	0.00	0.00
	BLUEGILL	2.42	2.05
ANY BLACK BASS	SMALLMOUTH BASS	0.30	0.02
	SPOTTED BASS	0.02	0.00
	LARGEMOUTH BASS	0.25	0.06
ANY CRAPPIE	ANY CRAPPIE	0.00	0.00
	WHITE CRAPPIE	0.08	0.02
	BLACK CRAPPIE	0.10	0.05
	BLACKNOSE CRAPPIE	0.64	0.33

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=TIMS FORD RES

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
01 JANUARY	36	0.50	8	0.57	26
02 FEBRUARY	30	0.16	7	0.27	14
03 MARCH	13	0.44	11	0.45	96
04 APRIL	0		0	0.71	59
05 MAY	26	0.46	9	0.20	62
06 JUNE	31	0.64	7	0.20	23
07 JULY	0		0	0.59	22
08 AUGUST	0		0	0.42	42
09 SEPTEMBER	30	0.55	11	0.29	51
10 OCTOBER	57	0.45	14	0.44	31
11 NOVEMBER	0		0	1.12	12
12 DECEMBER	83	0.80	18	0.34	14

**SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020**

LOCATION=TIMS FORD RES

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	6800	15250	22050	9
ANY TEMPERATE BASS	0	350	350	1
STRIPED BASS	39290	54880	94170	33
CHEROKEE BASS	17070	49390	66450	22
ANY SUNFISH	3970	8450	12420	8
ANY BLACK BASS	626130	870520	1496650	522
SMALLMOUTH BASS	6560	16490	23050	9
LARGEMOUTH BASS	3010	8860	11860	3
ANY CRAPPIE	113610	205900	319520	123
WALLEYE	20820	35370	56190	22
ANY SPECIES	96630	78700	175330	78
OTHER	1090	4220	5310	2
----- TOTAL	----- 934980	----- 1348380	----- 2283350	----- 832

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=TIMS FORD RES

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	1416	95.5
OTHERS	66	4.5

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
BEDFORD	108	7.6
COFFEE	158	11.1
FRANKLIN	472	33.1
LINCOLN	154	10.8
MOORE	85	6.0
RUTHERFORD	92	6.5
OTHERS IN TN	346	24.3
OUT-OF-STATE	10	0.7

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	934	63.2
B) 26-100	516	34.9
C) 101-250	22	1.5
D) > 250	7	0.5

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	787	93.7
B) 2-5	46	5.5
C) 6-10	6	0.7
D) 11-15	1	0.1

TWRA

REGION III

CENTER HILL RESERVOIR

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=CENTER HILL RES

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	2555	71.9	0.1	503	0.0	1.3
02 FEBRUARY	3907	39.7	0.2	705	0.0	1.9
03 MARCH	24288	32.3	1.3	5907	0.3	12.1
05 MAY	61634	18.4	3.4	.	.	30.6
06 JUNE	21415	34.5	1.2	.	.	10.6
07 JULY	23881	10.6	1.3	.	.	11.9
08 AUGUST	12958	17.5	0.7	.	.	6.4
09 SEPTEMBER	16058	10.7	0.9	.	.	8.0
10 OCTOBER	13748	22.9	0.8	2888	0.2	6.8
11 NOVEMBER	9124	14.6	0.5	2293	0.1	4.5
12 DECEMBER	11955	19.8	0.7	1952	0.1	5.9
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TOTAL	201523			14248		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=CENTER HILL RES

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	485	.	0.19	.	128	.	0.05	.
02 FEBRUARY	352	62.5	0.09	45.9	0	.	0.00	100.0
03 MARCH	5586	48.8	0.23	35.2	1457	74.2	0.06	60.6
10 OCTOBER	5499	30.4	0.40	19.5	1512	31.2	0.11	19.9
11 NOVEMBER	3832	27.7	0.42	23.5	1095	40.8	0.12	36.5
12 DECEMBER	17215	.	1.44	.	1076	.	0.09	.
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TOTAL	32969				5268			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=CENTER HILL RES

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
CHANNEL CATFISH	358	142.0	1.1	358	358	142.0	6.8	358	0.0	3.20	10
FLATHEAD CATFISH	221	181.8	0.7	221	221	181.8	4.2	221	0.0	2.75	6
BLUEGILL	189	272.4	0.6	0	189	272.4	3.6	0	0.0	0.75	6
SMALLMOUTH BASS	16402	8.5	50.1	16254	283	99.1	5.4	283	98.3	3.11	8
SPOTTED BASS	3902	27.0	11.9	3322	1031	41.5	19.6	765	73.6	1.16	31
LARGEMOUTH BASS	538	164.8	1.6	538	52	282.6	1.0	52	90.3	2.00	2
WHITE CRAPPIE	78	392.6	0.2	78	78	392.6	1.5	78	0.0	0.83	3
BLACK CRAPPIE	1237	134.3	3.8	1237	446	189.0	8.5	446	63.9	0.93	12
BLACKNOSE CRAPPIE	9312	21.0	28.5	9312	2568	35.6	48.8	2568	72.4	0.92	46
WALLEYE	98	607.5	0.3	98	40	749.3	0.8	40	59.2	5.10	1

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=CENTER HILL RES

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
ANY CATFISH	2720	35.5	602	4.1	0.26	47.6	0.26	47.6	7
ANY BLACK BASS	34637	19.6	7776	52.8	0.45	14.3	0.06	48.1	111
SMALLMOUTH BASS	8410	41.2	1532	12.8	1.85	80.2	0.03	116.3	8
ANY CRAPPIE	13594	26.3	2871	20.7	0.98	49.4	0.42	66.8	26
WALLEYE	3693	43.7	879	5.6	0.05	85.6	0.03	85.6	9
ANY SPECIES	2523	44.3	588	3.8	0.00		0.00		7
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TOTAL	65577		14248						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=CENTER HILL RES

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	CHANNEL CATFISH	0.16	0.16
	FLATHEAD CATFISH	0.10	0.10
ANY BLACK BASS	SMALLMOUTH BASS	0.38	0.01
	SPOTTED BASS	0.08	0.02
	LARGEMOUTH BASS	0.01	0.00
ANY CRAPPIE	ANY CRAPPIE	0.00	0.00
	WHITE CRAPPIE	0.01	0.01
	BLACK CRAPPIE	0.11	0.06
	BLACKNOSE CRAPPIE	0.86	0.35

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=CENTER HILL RES

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
01 JANUARY	0		0	0.23	7
02 FEBRUARY	43	0.33	10	0.22	15
03 MARCH	17	0.28	4	0.33	37
10 OCTOBER	10	0.19	2	0.37	23
11 NOVEMBER	0		0	0.45	18
12 DECEMBER	0		0	2.46	3

**SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020**

LOCATION=CENTER HILL RES

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	6200	2780	6950	7
ANY BLACK BASS	147250	83260	230520	110
SMALLMOUTH BASS	46580	24960	68750	8
ANY CRAPPIE	39300	9790	28730	26
WALLEYE	7490	8790	16280	9
ANY SPECIES	3680	2130	4970	7
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TOTAL	250500	131710	356200	167

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=CENTER HILL RES

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	335	100

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
DEKALB	35	10.5
JACKSON	18	5.4
MACON	17	5.1
PUTNAM	61	18.3
RUTHERFORD	19	5.7
SMITH	28	8.4
WARREN	38	11.4
WHITE	22	6.6
WILSON	28	8.4
OTHERS IN TN	67	20.1

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	229	68.4
B) 26-100	104	31.0
C) 101-250	2	0.6

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	166	97.6
B) 2-5	2	1.2
C) 6-10	2	1.2

DALE HOLLOW RESERVOIR

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=DALE HOLLOW RES

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	12169	24.8	0.5	1859	0.1	2.4
02 FEBRUARY	13034	5.7	0.6	2021	0.1	2.6
03 MARCH	95835	4.7	4.1	16103	0.7	19.0
05 MAY	119105	24.9	5.1	.	.	23.6
06 JUNE	53308	47.1	2.3	.	.	10.6
07 JULY	20978	10.7	0.9	.	.	4.2
08 AUGUST	31522	23.1	1.4	.	.	6.2
09 SEPTEMBER	58848	19.9	2.5	.	.	11.6
10 OCTOBER	55706	28.9	2.4	8078	0.3	11.0
11 NOVEMBER	14406	20.3	0.6	2278	0.1	2.9
12 DECEMBER	30250	47.9	1.3	4739	0.2	6.0
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TOTAL	505161			35078		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=DALE HOLLOW RES

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	5963	30.9	0.49	17.9	122	72.0	0.01	100.0
02 FEBRUARY	7299	32.2	0.56	31.9	652	67.0	0.05	66.3
03 MARCH	146628	36.0	1.53	35.7	82418	50.5	0.86	50.1
10 OCTOBER	36209	33.9	0.65	16.9	15598	34.8	0.28	18.9
11 NOVEMBER	14118	33.0	0.98	25.5	3457	29.9	0.24	21.7
12 DECEMBER	46585	48.1	1.54	3.8	11798	48.4	0.39	6.2
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TOTAL	256802				114045			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=DALE HOLLOW RES

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
16	1848	741.3	0.7	0	1848	741.3	1.6	0	0.0	20.00	5
CARP	351	821.3	0.1	0	0	.	0.0	0	100.0	.	0
CHANNEL CATFISH	492	1254.4	0.2	0	492	1254.4	0.4	0	0.0	5.20	3
WHITE BASS	4661	316.6	1.8	4328	3696	369.0	3.2	3696	20.7	1.50	10
BLUEGILL	3482	120.7	1.4	3214	2302	131.8	2.0	2102	33.9	0.46	23
REDEAR SUNFISH	21749	104.1	8.4	20524	21574	104.7	18.9	20323	0.8	0.52	69
SMALLMOUTH BASS	43670	26.9	17.0	42350	1834	158.3	1.6	1834	95.8	3.43	7
SPOTTED BASS	2990	321.4	1.2	748	370	1179.9	0.3	0	87.6	2.50	1
LARGEMOUTH BASS	32183	32.1	12.5	25603	10159	59.7	8.9	6834	68.4	2.83	55
WHITE CRAPPIE	6598	132.2	2.6	6039	1820	115.2	1.6	1820	72.4	0.88	17
BLACK CRAPPIE	63544	39.3	24.7	52466	35704	54.4	31.3	33588	43.8	0.93	135
BLACKNOSE CRAPPIE	70024	33.5	27.2	65429	31981	51.2	28.0	31231	54.3	1.02	128
WALLEYE	2918	274.0	1.1	2501	2215	351.5	1.9	1704	24.1	4.65	13

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=DALE HOLLOW RES

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
LAKE TROUT	244	93.0	38	0.1	0.00		0.00		1
WHITE BASS	1229	95.9	206	0.6	2.17		1.67		1
ANY SUNFISH	7727	35.4	1268	3.5	2.14	45.9	1.94	48.5	9
ANY BLACK BASS	78033	11.6	12442	35.2	0.47	19.1	0.05	53.4	145
SMALLMOUTH BASS	55625	19.2	8844	25.1	0.39	28.9	0.02	173.3	100
SPOTTED BASS	164	140.1	25	0.1	0.00		0.00		1
LARGEMOUTH BASS	1229	95.9	206	0.6	1.13		0.88		1
ANY CRAPPIE	62070	20.1	9774	28.0	2.67	24.1	1.00	36.3	78
WALLEYE	10000	32.4	1498	4.5	0.14	61.3	0.08	57.2	17
ANY SPECIES	2080	57.2	302	0.9	0.00		0.00		3
OTHER	2999	55.6	478	1.4	0.00		0.00		2
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TOTAL	221400		35081						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=DALE HOLLOW RES

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY SUNFISH	BLUEGILL	0.29	0.18
	REDEAR SUNFISH	1.85	1.76
ANY BLACK BASS	SMALLMOUTH BASS	0.31	0.01
	SPOTTED BASS	0.01	0.00
	LARGEMOUTH BASS	0.19	0.05
	LARGEMOUTH BASS	0.19	0.05
ANY CRAPPIE	ANY CRAPPIE	0.00	0.00
	WHITE CRAPPIE	0.13	0.03
	BLACK CRAPPIE	1.13	0.50
	BLACKNOSE CRAPPIE	1.41	0.47

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=DALE HOLLOW RES

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
01 JANUARY	0		0	0.59	40
02 FEBRUARY	6	0.82	3	0.42	51
03 MARCH	7	0.73	4	0.52	54
10 OCTOBER	19	0.29	10	0.27	50
11 NOVEMBER	24	0.34	7	0.20	24
12 DECEMBER	0		0	0.33	3

**SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020**

LOCATION=DALE HOLLOW RES

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
LAKE TROUT	5670			1
WHITE BASS	2060			1
ANY SUNFISH	18880	7000	25880	9
ANY BLACK BASS	856280	302490	1158770	145
SMALLMOUTH BASS	483200	237400	720600	99
SPOTTED BASS	550	250	800	1
LARGEMOUTH BASS	3610	1030	4640	1
ANY CRAPPIE	166650	119390	286040	77
WALLEYE	40600	16410	55560	17
ANY SPECIES	15080	2510	17600	3
OTHER	6170	670	1680	2
----- TOTAL	----- 1598750	----- 687150	----- 2271570	----- 356

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=DALE HOLLOW RES

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
IN	42	5.9
KY	247	34.7
OH	58	8.1
TN	333	46.8
OTHERS	32	4.5

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
CLAY	47	14.4
FENTRESS	32	9.8
OVERTON	50	15.3
PICKETT	60	18.3
PUTNAM	50	15.3
OTHERS IN TN	88	26.9

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	247	34.7
B) 26-100	199	28.0
C) 101-250	133	18.7
D) > 250	132	18.6

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	248	67.4
B) 2-5	69	18.8
C) 6-10	45	12.2
D) 11-15	3	0.8
F) >20	3	0.8

CHICKAMAUGA RESERVOIR

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=CHICKAMAUGA RES

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	30863	22.5	0.9	4959	0.1	3.7
02 FEBRUARY	115265	79.1	3.3	16856	0.5	13.7
03 MARCH	60659	34.7	1.8	9355	0.3	7.2
05 MAY	94856	14.7	2.7	.	.	11.3
06 JUNE	55927	21.0	1.6	.	.	6.7
07 JULY	96243	26.6	2.8	.	.	11.5
08 AUGUST	39738	16.0	1.2	.	.	4.7
09 SEPTEMBER	61466	23.5	1.8	.	.	7.3
10 OCTOBER	150028	19.4	4.3	20220	0.6	17.9
11 NOVEMBER	135349	16.2	3.9	15853	0.5	16.1
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TOTAL	840394			67243		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=CHICKAMAUGA RES

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	42282	29.5	1.37	18.8	12037	33.8	0.39	24.5
02 FEBRUARY	130249	85.3	1.13	25.0	29969	95.0	0.26	40.5
03 MARCH	80070	45.9	1.32	28.4	30936	67.3	0.51	54.1
10 OCTOBER	156029	35.0	1.04	28.6	37507	55.0	0.25	50.2
11 NOVEMBER	113693	23.0	0.84	16.1	25716	39.4	0.19	35.3
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TOTAL	522323				136165			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=CHICKAMAUGA RES

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
BLUE CATFISH	21815	80.2	4.2	18570	4109	112.7	3.0	3913	81.2	2.73	21
CHANNEL CATFISH	7454	171.2	1.4	5857	1375	214.0	1.0	1375	81.6	3.13	7
FLATHEAD CATFISH	1460	364.3	0.3	1460	393	498.9	0.3	393	73.1	2.85	2
WHITE BASS	82396	35.8	15.8	1620	4713	79.2	3.5	1178	94.3	1.15	24
YELLOW BASS	11401	143.7	2.2	786	0	.	0.0	0	100.0	.	0
STRIPED BASS	5882	241.9	1.1	0	0	.	0.0	0	100.0	.	0
BLUEGILL	73418	35.5	14.1	28601	25886	51.4	19.0	15056	64.7	0.26	98
SMALLMOUTH BASS	3031	383.8	0.6	1010	196	911.7	0.1	196	93.5	3.50	1
SPOTTED BASS	10254	142.1	2.0	3874	196	501.5	0.1	196	98.1	1.70	1
LARGEMOUTH BASS	197419	23.3	37.9	194931	47760	41.5	35.1	47087	75.8	2.79	213
WHITE CRAPPIE	20628	92.6	4.0	20628	11145	93.6	8.2	11145	46.0	0.84	48
BLACK CRAPPIE	59700	48.8	11.4	59345	36019	51.6	26.5	35668	39.7	0.77	205
YELLOW PERCH	3112	307.8	0.6	3112	2279	354.5	1.7	2279	26.8	0.47	15
SAUGER	5206	366.4	1.0	0	879	542.0	0.6	0	83.1	1.50	6
WALLEYE	2799	472.4	0.5	2624	1213	450.3	0.9	1213	56.7	2.44	9
FRESHWATER DRUM	15435	94.6	3.0	1015	0	.	0.0	0	100.0	.	0

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=CHICKAMAUGA RES

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
ANY CATFISH	19404	31.5	2681	3.9	1.04	12.7	0.19	81.4	21
ANY SUNFISH	7494	59.4	980	1.5	3.89	40.1	1.75	0.0	5
ANY BLACK BASS	60853	29.4	8471	12.4	0.39	22.3	0.06	70.6	61
LARGEMOUTH BASS	334731	19.3	45253	68.0	0.38	13.4	0.10	25.6	275
ANY CRAPPIE	37135	38.8	5351	7.5	2.05	14.0	1.17	17.2	37
WALLEYE	5388	89.2	802	1.1	1.07	45.1	0.53	49.4	5
ANY SPECIES	27160	24.8	3703	5.5	3.31	46.8	1.67	65.3	34
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TOTAL	492165		67241						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=CHICKAMAUGA RES

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	BLUE CATFISH	0.75	0.13
	CHANNEL CATFISH	0.24	0.05
	FLATHEAD CATFISH	0.06	0.01
ANY SUNFISH	BLUEGILL	3.89	1.75
ANY BLACK BASS	SMALLMOUTH BASS	0.00	0.00
	SPOTTED BASS	0.01	0.00
	LARGEMOUTH BASS	0.49	0.12
ANY CRAPPIE	WHITE CRAPPIE	0.53	0.28
	BLACK CRAPPIE	1.52	0.89

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=CHICKAMAUGA RES

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
01 JANUARY	0		0	0.35	59
02 FEBRUARY	58	0.88	19	0.39	36
03 MARCH	0		0	0.40	39
10 OCTOBER	53	0.30	60	0.25	71
11 NOVEMBER	47	0.29	22	0.26	30

**SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020**

LOCATION=CHICKAMAUGA RES

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	104010	101820	205830	21
ANY SUNFISH	29710	61090	90800	5
ANY BLACK BASS	426410	330700	757110	61
LARGEMOUTH BASS	3223740	2812830	6036570	275
ANY CRAPPIE	68800	61890	130690	37
WALLEYE	11060	14550	25610	5
ANY SPECIES	46600	33680	80280	34
----- TOTAL	----- 3910330	----- 3416560	----- 7326890	----- 438

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=CHICKAMAUGA RES

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
GA	66	8.3
IL	49	6.1
KY	91	11.4
TN	476	59.7
OTHERS	115	14.4

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
BRADLEY	55	11.6
HAMILTON	158	33.3
MEIGS	31	6.5
RHEA	42	8.9
OTHERS IN TN	188	39.7

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	331	41.5
B) 26-100	130	16.3
C) 101-250	191	24.0
D) > 250	145	18.2

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	276	62.7
B) 2-5	104	23.6
C) 6-10	59	13.4
F) >20	1	0.2

WATTS BAR RESERVOIR

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=WATTS BAR RES

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	17662	33.1	0.5	3420	0.1	4.4
02 FEBRUARY	17360	25.0	0.4	3023	0.1	4.3
03 MARCH	40256	15.0	1.0	6175	0.2	10.1
05 MAY	56480	20.5	1.4	.	.	14.1
06 JUNE	51802	26.3	1.3	.	.	12.9
07 JULY	33978	18.2	0.9	.	.	8.5
08 AUGUST	28267	26.5	0.7	.	.	7.1
09 SEPTEMBER	42586	19.0	1.1	.	.	10.6
10 OCTOBER	79798	47.0	2.0	13782	0.4	19.9
11 NOVEMBER	31950	42.2	0.8	5545	0.1	8.0
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TOTAL	400139			31945		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=WATTS BAR RES

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	24550	43.8	1.39	27.1	3179	87.0	0.18	75.4
02 FEBRUARY	11978	34.4	0.69	23.0	694	71.2	0.04	72.0
03 MARCH	69240	27.2	1.72	22.4	15297	36.4	0.38	33.0
10 OCTOBER	79798	51.7	1.00	19.5	15162	63.4	0.19	38.1
11 NOVEMBER	51440	52.1	1.61	28.2	21407	61.6	0.67	41.2
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TOTAL	237006				55739			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=WATTS BAR RES

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
BLUE CATFISH	6969	138.3	2.9	3872	218	442.4	0.4	218	96.9	3.20	2
CHANNEL CATFISH	2704	266.9	1.1	2135	677	365.3	1.2	339	75.0	1.35	4
FLATHEAD CATFISH	544	913.4	0.2	136	0	.	0.0	0	100.0	.	0
WHITE BASS	60944	27.7	25.8	8938	7782	55.2	14.0	2075	87.2	0.92	60
YELLOW BASS	668	960.3	0.3	0	0	.	0.0	0	100.0	.	0
STRIPED BASS	9372	93.0	4.0	3515	983	211.5	1.8	983	89.5	.	9
BLUEGILL	16731	72.2	7.1	2971	3924	95.5	7.0	906	76.5	0.23	26
REDEAR SUNFISH	9418	85.8	4.0	7361	7318	95.4	13.1	5898	22.3	0.41	67
SMALLMOUTH BASS	10481	74.1	4.4	9084	689	183.0	1.2	689	93.4	3.43	3
SPOTTED BASS	1586	458.4	0.7	721	0	.	0.0	0	100.0	.	0
LARGEMOUTH BASS	40600	30.7	17.2	40028	2067	83.6	3.7	2067	94.9	2.20	9
WHITE CRAPPIE	18749	52.0	7.9	18616	12065	51.0	21.6	11935	35.6	0.79	93
BLACK CRAPPIE	20740	47.1	8.8	20623	12542	48.8	22.5	12542	39.5	0.79	111
BLACKNOSE CRAPPIE	109	1644.5	0.0	109	109	1644.5	0.2	109	0.0	1.10	1
YELLOW PERCH	4415	215.1	1.9	0	1971	183.8	3.5	0	55.4	0.55	11
SAUGER	10666	104.9	4.5	102	1528	222.6	2.7	0	85.7	1.51	17
WALLEYE	6480	116.4	2.7	5670	3536	126.6	6.3	3154	45.4	2.87	37
SAUGEYE	109	1644.5	0.0	109	109	1644.5	0.2	109	0.0	.	1
FRESHWATER DRUM	15097	60.0	6.4	3355	218	305.6	0.4	0	98.6	.	2

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=WATTS BAR RES

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
ANY CATFISH	8065	47.1	1396	4.3	1.25	34.6	0.14	130.0	11
WHITE BASS	999	79.3	179	0.5	1.92		0.94		2
STRIPED BASS	8639	46.5	1487	4.6	0.08	137.9	0.07	136.6	9
ANY SUNFISH	940	86.1	163	0.5	5.52	15.1	4.37	10.3	3
ANY BLACK BASS	84609	21.1	14400	45.2	0.49	16.7	0.03	96.7	128
SMALLMOUTH BASS	404	97.6	70	0.2	0.15		0.00		1
LARGEMOUTH BASS	23712	39.2	4030	12.7	0.38	21.9	0.00		32
ANY CRAPPIE	31639	26.0	5350	16.9	1.49	20.0	0.95	21.9	46
WALLEYE	4874	35.1	838	2.6	0.88	46.9	0.53	41.6	10
SAUGEYE	470	114.9	82	0.3	0.25		0.25		1
ANY SPECIES	22675	28.5	3950	12.1	1.99	33.9	0.37	67.8	41
----- TOTAL	----- 187026		----- 31945						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=WATTS BAR RES

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	BLUE CATFISH	0.79	0.05
	CHANNEL CATFISH	0.43	0.09
	FLATHEAD CATFISH	0.03	0.00
ANY SUNFISH	BLUEGILL	1.59	0.58
	REDEAR SUNFISH	3.93	3.79
ANY BLACK BASS	SMALLMOUTH BASS	0.08	0.01
	SPOTTED BASS	0.01	0.00
	LARGEMOUTH BASS	0.37	0.02
ANY CRAPPIE	WHITE CRAPPIE	0.70	0.46
	BLACK CRAPPIE	0.78	0.48
	BLACKNOSE CRAPPIE	0.00	0.00

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=WATTS BAR RES

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
01 JANUARY	0		0	0.43	22
02 FEBRUARY	0		0	0.45	34
03 MARCH	0		0	0.63	37
10 OCTOBER	24	0.51	6	0.38	37
11 NOVEMBER	0		0	0.37	25

**SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020**

LOCATION=WATTS BAR RES

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	27370	27730	55100	11
WHITE BASS	4890	11810	16690	2
STRIPED BASS	42480	36520	78990	9
ANY SUNFISH	2280	1630	3910	3
ANY BLACK BASS	371730	362560	734290	128
SMALLMOUTH BASS	670	3520	4180	1
LARGEMOUTH BASS	95590	131910	227500	32
ANY CRAPPIE	103540	103900	207440	46
WALLEYE	26050	32270	58320	10
SAUGEYE	610	0	610	1
ANY SPECIES	47160	44040	91190	41
TOTAL	722370	755890	1478220	284

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=WATTS BAR RES

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	464	91.7
OTHERS	42	8.3

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
BLOUNT	44	9.4
CUMBERLAND	35	7.5
KNOX	47	10.1
LOUDON	56	12.0
McMINN	28	6.0
MONROE	32	6.9
RHEA	43	9.2
ROANE	82	17.6
OTHERS IN TN	96	20.6
OUT-OF-STATE	4	0.9

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	311	61.3
B) 26-100	149	29.4
C) 101-250	32	6.3
D) > 250	15	3.0

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
	1	
A) 1	267	94.3
B) 2-5	14	4.9
C) 6-10	1	0.4
F) >20	1	0.4

TWRA
REGION IV

**NORRIS
RESERVOIR**

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=NORRIS RES

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	5250	100.0	0.2	1273	0.0	2.8
02 FEBRUARY	13199	42.2	0.4	3598	0.1	7.1
03 MARCH	28216	18.2	0.8	5632	0.2	15.3
05 MAY	8190	.	0.2	3276	0.1	4.4
06 JUNE	29163	36.9	0.9	.	.	15.8
07 JULY	8950	64.2	0.3	2387	0.1	4.8
08 AUGUST	36269	47.6	1.1	9132	0.3	19.6
09 SEPTEMBER	17465	10.3	0.5	3910	0.1	9.5
10 OCTOBER	15086	27.3	0.4	3017	0.1	8.2
11 NOVEMBER	14970	14.5	0.4	3878	0.1	8.1
12 DECEMBER	8032	14.3	0.2	.	.	4.3
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TOTAL	184790			36103		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=NORRIS RES

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	1785	.	0.34	.	0	.	0.00	.
02 FEBRUARY	6995	50.2	0.53	25.0	924	122.6	0.07	100.0
03 MARCH	26523	30.6	0.94	24.1	1693	80.0	0.06	83.4
05 MAY	6470	.	0.79	.	5569	.	0.68	.
07 JULY	895	.	0.10	.	895	.	0.10	.
08 AUGUST	21036	63.9	0.58	38.6	3990	65.9	0.11	41.2
09 SEPTEMBER	10479	21.2	0.60	18.2	6113	62.0	0.35	61.4
10 OCTOBER	6487	48.4	0.43	38.2	1810	105.8	0.12	100.0
11 NOVEMBER	5389	.	0.36	.	0	.	0.00	.
TOTAL	86059				20994			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=NORRIS RES

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
SKIPJACK HERRING	616	662.3	0.7	0	0	.	0.0	0	100.0	.	0
CHANNEL CATFISH	905	179.9	1.0	0	905	179.9	4.3	0	0.0	1.90	2
WHITE BASS	308	942.0	0.4	0	0	.	0.0	0	100.0	.	0
STRIPED BASS	11296	96.7	13.1	9682	0	.	0.0	0	100.0	.	0
ROCK BASS	1796	.	2.1	1796	0	.	0.0	0	100.0	.	0
BLUEGILL	8678	117.5	10.0	8678	4890	74.6	23.3	4890	43.7	0.28	4
REDEAR SUNFISH	2848	137.1	3.3	2848	2128	159.4	10.1	2128	25.3	0.73	3
SMALLMOUTH BASS	26620	24.4	30.8	26240	770	85.9	3.7	770	97.1	0.90	5
SPOTTED BASS	3787	114.0	4.4	3458	0	.	0.0	0	100.0	.	0
LARGEMOUTH BASS	14004	76.5	16.2	12575	0	.	0.0	0	100.0	.	0
BLACK CRAPPIE	8915	39.6	10.3	8915	6645	21.7	31.7	6645	25.5	0.92	19
BLACKNOSE CRAPPIE	772	70.2	0.9	772	772	70.2	3.7	772	0.0	0.64	3
WALLEYE	5161	58.0	6.0	5161	4885	53.8	23.3	4885	5.3	2.60	7
FRESHWATER DRUM	811	349.2	0.9	0	0	.	0.0	0	100.0	.	0

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=NORRIS RES

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
STRIPED BASS	23472	39.3	6395	15.9	0.17	62.4	0.00		10
ANY SUNFISH	3017	96.7	603	2.0	0.50		0.25		1
ANY BLACK BASS	73585	19.9	16899	49.9	0.40	37.6	0.00		43
SMALLMOUTH BASS	4401	47.2	917	3.0	1.20	26.4	0.00		5
ANY CRAPPIE	11420	22.6	3567	7.7	1.47	27.5	1.25	28.7	6
WALLEYE	11828	66.6	2866	8.0	0.37	0.0	0.35	0.0	5
ANY SPECIES	19877	40.6	4855	13.5	1.24	20.8	0.45	47.7	6
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TOTAL	147600		36102						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=NORRIS RES

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY SUNFISH	BLUEGILL	0.38	0.17
	REDEAR SUNFISH	0.12	0.08
ANY BLACK BASS	SMALLMOUTH BASS	0.34	0.01
	SPOTTED BASS	0.04	0.00
	LARGEMOUTH BASS	0.16	0.00
ANY CRAPPIE	BLACK CRAPPIE	1.35	1.12
	BLACKNOSE CRAPPIE	0.12	0.13

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=NORRIS RES

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
01 JANUARY	0		0	0.34	2
02 FEBRUARY	0		0	0.70	7
03 MARCH	13	0.71	2	0.68	24
08 AUGUST	0		0	0.12	3
09 SEPTEMBER	0		0	0.44	4
10 OCTOBER	0		0	0.46	3
11 NOVEMBER	0		0	0.32	3

**SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020**

LOCATION=NORRIS RES

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
STRIPED BASS	76850	77060	153920	4
ANY SUNFISH	7540	7540	15090	1
ANY BLACK BASS	384870	159210	544080	24
SMALLMOUTH BASS	18340	12050	30390	4
ANY CRAPPIE	37150	19140	56300	6
WALLEYE	14920	14920	29830	1
ANY SPECIES	136280	100130	236410	6
----- TOTAL	----- 675950	----- 390050	----- 1066020	----- 46

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=NORRIS RES

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	125	93.3
OTHERS	9	6.7

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
ANDERSON	37	29.6
CAMPBELL	13	10.4
CLAIBORNE	36	28.8
KNOX	22	17.6
UNION	11	8.8
OTHERS IN TN	6	4.8

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	95	70.9
B) 26-100	36	26.9
D) > 250	3	2.2

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	75	97.4
B) 2-5	2	2.6

CHEROKEE RESERVOIR

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=CHEROKEE RES

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
02 FEBRUARY	11943	40.9	0.4	3068	0.1	2.5
03 MARCH	35063	38.7	1.2	6514	0.2	7.4
04 APRIL	28694	17.4	0.9	.	.	6.1
05 MAY	97888	.	3.2	.	.	20.7
06 JUNE	32352	10.0	1.1	5907	0.2	6.8
07 JULY	36550	25.5	1.2	7434	0.2	7.7
08 AUGUST	58922	31.5	1.9	14731	0.5	12.5
09 SEPTEMBER	115026	5.6	3.8	23475	0.8	24.3
10 OCTOBER	12958	14.5	0.4	2860	0.1	2.7
11 NOVEMBER	22904	24.8	0.8	6795	0.2	4.8
12 DECEMBER	20565	18.7	0.7	4871	0.2	4.3
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TOTAL	472865			75655		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=CHEROKEE RES

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
02 FEBRUARY	14212	51.2	1.19	28.5	6808	65.9	0.57	48.1
03 MARCH	51893	38.8	1.48	2.6	35063	38.8	1.00	3.1
06 JUNE	51440	34.9	1.59	33.3	7441	55.6	0.23	54.7
07 JULY	61770	.	1.69	.	4386	.	0.12	.
08 AUGUST	42424	65.6	0.72	55.1	23569	108.3	0.40	100.0
09 SEPTEMBER	178290	12.9	1.55	11.6	46010	35.4	0.40	34.6
10 OCTOBER	23065	21.1	1.78	15.2	11273	45.2	0.87	42.5
11 NOVEMBER	21072	34.2	0.92	23.0	14888	37.3	0.65	26.9
12 DECEMBER	44009	56.6	2.14	52.6	31670	74.5	1.54	70.8
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TOTAL	488175				181108			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=CHEROKEE RES

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
SKIPJACK HERRING	2214	601.3	0.5	0	0	.	0.0	0	100.0	.	0
ALEWIFE	421	539.1	0.1	421	0	.	0.0	0	100.0	.	0
BLUE CATFISH	422	1075.8	0.1	422	422	1075.8	0.2	422	0.0	.	1
CHANNEL CATFISH	21266	91.9	4.4	19417	18860	78.3	10.4	17145	11.3	.	44
FLATHEAD CATFISH	1689	530.6	0.3	1689	1689	530.6	0.9	1689	0.0	.	4
WHITE BASS	32322	119.2	6.6	12929	24620	115.9	13.6	11014	23.8	0.54	38
STRIPED BASS	9619	198.5	2.0	802	4663	235.5	2.6	424	51.5	.	11
CHEROKEE BASS	29706	69.6	6.1	15377	10976	91.9	6.1	5105	63.1	.	43
REDBREAST SUNFISH	4813	271.7	1.0	0	4813	271.7	2.7	0	0.0	0.40	7
WARMOUTH	4188	299.8	0.9	3427	2985	289.9	1.6	2687	28.7	.	10
BLUEGILL	61271	62.8	12.6	45224	48757	65.7	26.9	38065	20.4	0.20	114
REDEAR SUNFISH	1313	634.9	0.3	0	0	.	0.0	0	100.0	.	0
SMALLMOUTH BASS	74160	39.5	15.2	49440	0	.	0.0	0	100.0	.	0
SPOTTED BASS	351	707.0	0.1	351	0	.	0.0	0	100.0	.	0
LARGEMOUTH BASS	148254	25.5	30.5	127324	1523	108.1	0.8	1523	99.0	.	15
WHITE CRAPPIE	37202	64.9	7.6	31810	31739	70.3	17.5	27248	14.7	0.47	106
BLACK CRAPPIE	4625	259.4	1.0	4625	4515	265.1	2.5	4515	2.4	.	14
SAUGER	1158	323.6	0.2	0	711	425.3	0.4	0	38.6	.	7
WALLEYE	11097	138.8	2.3	4161	9860	152.8	5.4	4551	11.1	1.75	26
SAUGEYE	14572	82.7	3.0	8424	12574	93.3	6.9	7927	13.7	.	46
FRESHWATER DRUM	4576	282.7	0.9	0	0	.	0.0	0	100.0	.	0

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=CHEROKEE RES

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
ANY CATFISH	19787	48.4	4145	5.7	1.66	47.4	1.57	50.1	9
WHITE BASS	4949	60.5	1128	1.4	1.38	111.6	1.16	132.3	5
STRIPED BASS	11113	48.3	2324	3.2	0.15	122.8	0.08	122.8	9
CHEROKEE BASS	23642	39.7	5406	6.8	0.44	53.0	0.12	127.8	15
ANY SUNFISH	36753	53.8	8753	10.6	1.93	44.2	1.93	44.2	10
ANY BLACK BASS	37546	31.0	8070	10.8	1.59	43.4	0.00		26
SMALLMOUTH BASS	29234	68.5	7166	8.4	0.98		0.00		2
LARGEMOUTH BASS	54974	27.1	11209	15.9	1.53	49.0	0.02	44.8	21
ANY CRAPPIE	50952	23.2	10798	14.7	0.89	70.5	0.70	71.3	28
WALLEYE	15243	53.4	3322	4.4	0.28	26.7	0.28	26.7	9
SAUGEYE	9588	43.9	2135	2.8	0.83	34.0	0.64	35.4	9
ANY SPECIES	52501	38.5	11197	15.2	0.31	47.4	0.00		7
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TOTAL	346282		75653						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=CHEROKEE RES

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	ANY CATFISH	0.00	0.00
	BLUE CATFISH	0.03	0.03
	CHANNEL CATFISH	1.50	1.40
	FLATHEAD CATFISH	0.13	0.14
ANY SUNFISH	ANY SUNFISH	0.00	0.00
	REDBREAST SUNFISH	0.00	0.00
	WARMOUTH	0.14	0.13
	BLUEGILL	1.79	1.80
	REDEAR SUNFISH	0.00	0.00
ANY BLACK BASS	SMALLMOUTH BASS	0.41	0.00
	SPOTTED BASS	0.00	0.00
	LARGEMOUTH BASS	1.05	0.01
ANY CRAPPIE	ANY CRAPPIE	0.00	0.00
	WHITE CRAPPIE	0.78	0.60
	BLACK CRAPPIE	0.11	0.10

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=CHEROKEE RES

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
02 FEBRUARY	0		0	1.35	6
03 MARCH	0		0	0.85	5
06 JUNE	0		0	1.73	4
07 JULY	0		0	1.50	3
08 AUGUST	0		0	0.75	1
09 SEPTEMBER	0		0	1.94	9
10 OCTOBER	14	3.71	1	1.40	10
11 NOVEMBER	29	1.70	1	0.67	6
12 DECEMBER	0		0	1.58	3

**SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020**

LOCATION=CHEROKEE RES

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	101540	390	51560	9
WHITE BASS	14690	1120	15820	5
STRIPED BASS	88070	0	83140	9
CHEROKEE BASS	581330	39110	573990	15
ANY SUNFISH	122360	2370	124730	10
ANY BLACK BASS	324900	85200	367060	26
SMALLMOUTH BASS	2813400	0	2782430	2
LARGEMOUTH BASS	487350	0	406800	19
ANY CRAPPIE	135060	11930	110990	27
WALLEYE	103610	11000	88300	9
SAUGEYE	79470	10460	79910	9
ANY SPECIES	214590	13200	227800	7
----- TOTAL	5066370	174780	4912530	147

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=CHEROKEE RES

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	276	94.2
OTHERS	17	5.8

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
GRAINGER	166	60.4
HAWKINS	45	16.4
JEFFERSON	27	9.8
OTHERS IN TN	37	13.5

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	260	89.3
B) 26-100	29	10.0
C) 101-250	2	0.7

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	147	94.8
B) 2-5	7	4.5
D) 11-15	1	0.6

**TELLICO
RESERVOIR**

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=TELLICO RES

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	4960	22.6	0.3	1193	0.1	3.1
02 FEBRUARY	3965	50.3	0.2	769	0.0	2.5
03 MARCH	22449	22.7	1.4	4260	0.3	14.2
04 APRIL	26800	24.0	1.7	6458	0.4	17.0
05 MAY	21843	15.3	1.4	4215	0.3	13.8
06 JUNE	14460	13.4	0.9	3225	0.2	9.1
07 JULY	12853	18.4	0.8	2806	0.2	8.1
08 AUGUST	12356	23.8	0.8	2792	0.2	7.8
09 SEPTEMBER	18638	28.4	1.2	4032	0.3	11.8
10 OCTOBER	11352	11.2	0.7	2268	0.1	7.2
11 NOVEMBER	6192	26.0	0.4	1481	0.1	3.9
12 DECEMBER	2232	48.0	0.1	490	0.0	1.4
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TOTAL	158100			33989		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=TELLICO RES

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	4266	29.7	0.86	18.8	1538	37.5	0.31	29.1
02 FEBRUARY	6027	52.5	1.52	13.5	1824	52.5	0.46	13.6
03 MARCH	34571	37.2	1.54	28.8	8306	38.4	0.37	30.1
04 APRIL	15544	35.5	0.58	25.6	0	.	0.00	.
05 MAY	21843	18.4	1.00	10.2	1966	69.5	0.09	65.2
06 JUNE	14315	17.4	0.99	10.9	578	69.5	0.04	61.6
07 JULY	13110	23.0	1.02	13.7	1799	59.6	0.14	54.1
08 AUGUST	12850	28.2	1.04	14.7	2348	52.9	0.19	45.5
09 SEPTEMBER	16029	30.3	0.86	10.2	1118	66.3	0.06	61.1
10 OCTOBER	12941	14.2	1.14	8.7	3973	23.4	0.35	20.7
11 NOVEMBER	4396	41.3	0.71	31.2	619	50.0	0.10	41.0
12 DECEMBER	4776	48.8	2.14	8.1	402	57.5	0.18	28.6
----- TOTAL	160668				----- 24471			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=TELLICO RES

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
SKIPJACK HERRING	384	224.6	0.2	0	177	113.6	0.7	0	53.9	1.29	8
BLUE CATFISH	294	439.9	0.2	294	0	.	0.0	0	100.0	.	0
CHANNEL CATFISH	1837	151.6	1.1	1413	529	130.8	2.2	470	71.2	3.25	9
FLATHEAD CATFISH	435	610.4	0.3	218	0	.	0.0	0	100.0	.	0
WHITE BASS	8527	69.0	5.3	1451	363	163.2	1.5	0	95.7	0.71	6
STRIPED BASS	1091	331.2	0.7	873	86	421.0	0.4	86	92.1	26.50	1
BLUEGILL	10242	60.9	6.4	7701	1830	56.8	7.5	1442	82.1	0.31	33
SMALLMOUTH BASS	10977	53.5	6.9	5931	220	119.3	0.9	220	98.0	2.38	3
SPOTTED BASS	1386	263.3	0.9	126	0	.	0.0	0	100.0	.	0
LARGEMOUTH BASS	76479	12.1	47.7	74095	792	49.1	3.2	792	99.0	2.42	16
WHITE CRAPPIE	46775	16.9	29.2	46096	19736	18.9	80.7	19627	57.8	0.45	362
BLACK CRAPPIE	181	614.0	0.1	181	126	770.2	0.5	126	30.4	0.75	2
YELLOW PERCH	172	936.0	0.1	115	22	586.2	0.1	0	87.2	0.46	1
WALLEYE	1257	223.7	0.8	1187	588	189.5	2.4	529	53.2	3.07	10
FRESHWATER DRUM	150	924.1	0.1	75	0	.	0.0	0	100.0	.	0

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=TELLICO RES

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
ANY CATFISH	2258	37.8	480	1.4	0.28	61.5	0.11	74.0	7
WHITE BASS	243	92.7	58	0.2	0.00		0.00		1
STRIPED BASS	1157	63.5	250	0.7	0.24		0.06		2
ANY SUNFISH	2518	34.4	561	1.6	1.95	13.5	0.68	73.2	8
ANY BLACK BASS	21790	16.5	4633	13.8	1.35	18.3	0.03	66.0	74
SMALLMOUTH BASS	1382	47.1	284	0.9	0.13	0.0	0.06	0.0	6
LARGEMOUTH BASS	56727	11.3	12298	35.9	0.84	15.3	0.00	273.4	191
ANY CRAPPIE	32066	11.9	6669	20.3	1.52	18.3	0.84	23.1	142
WALLEYE	5761	24.6	1186	3.6	0.17	58.3	0.08	61.5	22
ANY SPECIES	33831	15.9	7487	21.4	0.55	48.6	0.02	147.9	67
OTHER	364	76.5	87	0.2	0.00		0.00		1
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TOTAL	158097		33993						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=TELLICO RES

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	BLUE CATFISH	0.04	0.00
	CHANNEL CATFISH	0.21	0.11
	FLATHEAD CATFISH	0.03	0.00
ANY SUNFISH	BLUEGILL	1.95	0.68
ANY BLACK BASS	SMALLMOUTH BASS	0.07	0.00
	SPOTTED BASS	0.00	0.00
	LARGEMOUTH BASS	0.93	0.01
ANY CRAPPIE	WHITE CRAPPIE	1.51	0.83
	BLACK CRAPPIE	0.01	0.01

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=TELLICO RES

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
02 FEBRUARY	0		0	0.85	6
03 MARCH	0		0	0.78	30
04 APRIL	0		0	0.88	9
05 MAY	1	0.50	4	1.10	47
06 JUNE	0		3	0.91	35
07 JULY	0		0	0.84	31
08 AUGUST	3	1.00	1	1.00	24
09 SEPTEMBER	0		0	0.89	26
10 OCTOBER	34	1.55	3	1.11	23
11 NOVEMBER	0		0	0.78	17
12 DECEMBER	0		0	1.47	3

**SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020**

LOCATION=TELLICO RES

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	8700	10710	19410	7
WHITE BASS	350	90	440	1
STRIPED BASS	18670	9020	27690	2
ANY SUNFISH	6070	2750	8810	8
ANY BLACK BASS	97400	92610	190010	72
SMALLMOUTH BASS	8700	3160	11870	6
LARGEMOUTH BASS	235210	144460	379670	191
ANY CRAPPIE	116490	59030	175510	142
WALLEYE	30040	18660	48710	22
ANY SPECIES	78940	22280	101220	67
OTHER	200	90	290	1
----- TOTAL	----- 600770	----- 362860	----- 963630	----- 519

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=TELLICO RES

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	859	98.7
OTHERS	11	1.3

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
BLOUNT	383	44.3
LOUDON	228	26.4
MONROE	192	22.2
OTHERS IN TN	56	6.5
OUT-OF-STATE	5	0.6

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	801	92.1
B) 26-100	67	7.7
D) > 250	2	0.2

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	521	99.6
B) 2-5	2	0.4

SOUTH HOLSTON RESERVOIR

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=SOUTH HOLSTON RES

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	15390	36.6	2.4	2178	0.3	6.6
02 FEBRUARY	4291	28.2	0.7	741	0.1	1.8
03 MARCH	27564	26.4	4.4	3507	0.6	11.8
04 APRIL	21464	21.3	3.4	2710	0.4	9.2
05 MAY	37998	20.2	6.0	5354	0.8	16.3
06 JUNE	28698	32.9	4.5	6528	1.0	12.3
07 JULY	18979	22.5	3.0	3941	0.6	8.1
08 AUGUST	25143	30.5	4.0	4589	0.7	10.8
09 SEPTEMBER	12695	37.6	2.0	1909	0.3	5.4
10 OCTOBER	17729	16.1	2.8	3083	0.5	7.6
11 NOVEMBER	17376	34.9	2.7	2948	0.5	7.4
12 DECEMBER	6181	9.2	1.0	1228	0.2	2.6
----- TOTAL	233508			38716		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=SOUTH HOLSTON RES

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	8772	44.4	0.57	23.7	462	70.5	0.03	55.8
02 FEBRUARY	3776	53.6	0.88	43.7	1287	73.3	0.30	66.2
03 MARCH	20673	30.1	0.75	14.1	1654	62.7	0.06	58.2
04 APRIL	19103	31.7	0.89	22.9	1717	87.4	0.08	88.3
05 MAY	41418	20.8	1.09	4.6	760	71.0	0.02	57.9
06 JUNE	63997	39.4	2.23	20.5	2296	91.5	0.08	81.6
07 JULY	18599	30.6	0.98	20.1	1139	81.8	0.06	75.4
08 AUGUST	41235	77.5	1.64	68.0	1509	58.3	0.06	49.6
09 SEPTEMBER	13584	37.7	1.07	2.2	0	.	0.00	.
10 OCTOBER	11524	19.7	0.65	11.2	1418	76.9	0.08	71.3
11 NOVEMBER	11294	40.2	0.65	19.0	1911	80.2	0.11	65.3
12 DECEMBER	5625	26.0	0.91	24.3	804	25.1	0.13	23.6
----- TOTAL	259600				----- 14957			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=SOUTH HOLSTON RES

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
CARP	1375	487.8	0.5	859	0	.	0.0	0	100.0	.	0
CHANNEL CATFISH	765	586.8	0.3	287	274	252.6	1.8	274	64.2	.	2
FLATHEAD CATFISH	428	285.5	0.2	285	380	199.9	2.5	380	11.2	.	2
MUSKELLUNGE	98	2083.1	0.0	0	0	.	0.0	0	100.0	.	0
LAKE TROUT	120	1148.7	0.0	0	0	.	0.0	0	100.0	.	0
GREEN SUNFISH	492	923.5	0.2	492	0	.	0.0	0	100.0	.	0
BLUEGILL	61785	45.8	23.8	41695	0	.	0.0	0	100.0	.	0
SMALLMOUTH BASS	129925	14.2	50.0	127587	3977	28.9	26.6	3977	96.9	3.85	56
SPOTTED BASS	3353	231.5	1.3	3057	190	185.5	1.3	190	94.3	.	1
LARGEMOUTH BASS	49189	28.0	18.9	44650	142	112.7	0.9	142	99.7	5.85	1
WHITE CRAPPIE	980	444.1	0.4	980	475	198.3	3.2	475	51.5	1.36	8
BLACK CRAPPIE	7687	89.0	3.0	7391	5889	48.4	39.4	5889	23.4	1.56	56
WALLEYE	3736	52.8	1.4	1811	3629	50.7	24.3	1873	2.9	5.37	31

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=SOUTH HOLSTON RES

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
ANY CATFISH	1714	70.9	329	0.7	0.73		0.73		2
ANY TROUT	394	100.4	50	0.2	0.00		0.00		1
LAKE TROUT	5555	36.7	1014	2.4	0.00		0.00		9
ANY SUNFISH	12489	27.0	2367	5.3	2.61	45.9	0.00		13
ANY BLACK BASS	159115	9.0	26063	68.1	0.74	12.4	0.01	142.3	367
SMALLMOUTH BASS	34120	14.1	5249	14.6	0.73	16.8	0.05	87.8	91
LARGEMOUTH BASS	4709	38.2	884	2.0	0.54	78.5	0.00		9
ANY CRAPPIE	4098	39.4	710	1.8	2.14	39.1	1.50	36.0	12
WALLEYE	5840	40.2	1067	2.5	0.35	14.7	0.35	14.7	12
ANY SPECIES	5478	34.0	981	2.3	2.53	82.6	0.08	217.0	13
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TOTAL	233512		38714						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=SOUTH HOLSTON RES

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH			
	CHANNEL CATFISH	0.37	0.31
	FLATHEAD CATFISH	0.36	0.42
ANY TROUT			
ANY SUNFISH			
	GREEN SUNFISH	0.03	0.00
	BLUEGILL	2.58	0.00
ANY BLACK BASS			
	SMALLMOUTH BASS	0.64	0.02
	SPOTTED BASS	0.02	0.00
	LARGEMOUTH BASS	0.23	0.00
ANY CRAPPIE			
	WHITE CRAPPIE	0.25	0.11
	BLACK CRAPPIE	1.89	1.39

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=SOUTH HOLSTON RES

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
01 JANUARY	10	0.56	8	0.44	41
02 FEBRUARY	29	0.49	8	0.93	24
03 MARCH	25	0.74	13	0.81	57
04 APRIL	23	1.05	19	0.73	35
05 MAY	15	1.11	13	0.93	48
06 JUNE	37	0.95	16	0.92	18
07 JULY	35	0.89	10	0.88	16
08 AUGUST	35	0.44	10	0.58	10
09 SEPTEMBER	40	0.44	6	0.46	14
10 OCTOBER	48	0.44	15	0.50	29
11 NOVEMBER	40	0.65	10	0.63	21
12 DECEMBER	5	0.00	1	0.83	25

**SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020**

LOCATION=SOUTH HOLSTON RES

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	2340	1300	3640	2
ANY TROUT	370	250	620	1
LAKE TROUT	10860	4520	15380	9
ANY SUNFISH	19820	2600	17960	13
ANY BLACK BASS	612200	292900	905100	367
SMALLMOUTH BASS	113710	46690	160400	91
LARGEMOUTH BASS	19610	5600	25210	9
ANY CRAPPIE	10140	3270	13420	12
WALLEYE	17050	10140	27190	12
ANY SPECIES	11450	3700	15150	13
----- TOTAL	----- 817550	----- 370970	----- 1184070	----- 529

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=SOUTH HOLSTON RES

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	573	59.6
VA	375	39.0
OTHERS	14	1.5

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
CARTER	96	16.6
SULLIVAN	319	55.2
WASHINGTON	114	19.7
OTHERS IN TN	38	6.6
OUT-OF-STATE	11	1.9

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	582	60.5
B) 26-100	372	38.7
C) 101-250	5	0.5
D) > 250	3	0.3

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	522	97.9
B) 2-5	10	1.9
C) 6-10	1	0.2

CHILHOWEE RESERVOIR

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=CHILHOWEE RES

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	1616	16.2	0.9	328	0.2	4.4
02 FEBRUARY	1008	28.0	0.6	204	0.1	2.7
03 MARCH	2555	14.8	1.5	545	0.3	6.9
04 APRIL	3123	18.7	1.8	1378	0.8	8.4
05 MAY	6599	6.3	3.8	1257	0.7	17.8
06 JUNE	4483	11.3	2.6	913	0.5	12.1
07 JULY	3724	23.9	2.1	815	0.5	10.0
08 AUGUST	4302	10.3	2.5	903	0.5	11.6
09 SEPTEMBER	4208	19.7	2.4	891	0.5	11.3
10 OCTOBER	2644	6.9	1.5	558	0.3	7.1
11 NOVEMBER	2394	9.2	1.4	477	0.3	6.4
12 DECEMBER	498	36.2	0.3	96	0.1	1.3
----- TOTAL	37154			8365		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=CHILHOWEE RES

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	937	22.3	0.58	15.2	501	30.2	0.31	24.8
02 FEBRUARY	948	49.9	0.94	39.6	212	61.7	0.21	53.2
03 MARCH	2172	20.8	0.85	14.4	664	54.8	0.26	51.6
04 APRIL	0	.	0.00	.	0	.	0.00	.
05 MAY	6137	17.4	0.93	16.2	1188	37.1	0.18	35.8
06 JUNE	3407	26.0	0.76	23.2	403	48.5	0.09	48.2
07 JULY	2160	38.6	0.58	29.6	521	51.3	0.14	45.6
08 AUGUST	3915	21.5	0.91	18.6	1764	24.8	0.41	22.4
09 SEPTEMBER	4334	22.9	1.03	11.5	1894	30.5	0.45	23.2
10 OCTOBER	1771	22.3	0.67	21.0	397	58.2	0.15	55.8
11 NOVEMBER	2514	37.4	1.05	36.0	1221	49.9	0.51	49.1
12 DECEMBER	388	64.4	0.78	50.2	189	66.5	0.38	52.3
----- TOTAL	28683				8954			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=CHILHOWEE RES

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
CARP	32	932.1	0.1	16	0	.	0.0	0	100.0	.	0
MUSKELLUNGE	18	931.7	0.1	18	0	.	0.0	0	100.0	.	0
RAINBOW TROUT	306	211.3	1.1	274	170	224.2	1.9	170	44.4	0.40	11
WHITE BASS	19	1652.7	0.1	19	0	.	0.0	0	100.0	.	0
BLUEGILL	2183	51.0	7.6	1652	466	91.0	5.2	405	78.7	0.29	23
SMALLMOUTH BASS	5374	18.3	18.7	4609	33	139.2	0.4	0	99.4	1.47	1
SPOTTED BASS	56	701.2	0.2	37	0	.	0.0	0	100.0	.	0
LARGEMOUTH BASS	9780	12.6	34.1	5493	28	229.5	0.3	28	99.7	2.61	1
WHITE CRAPPIE	33	388.7	0.1	0	33	388.7	0.4	0	0.0	0.67	2
YELLOW PERCH	10833	12.4	37.8	779	8197	14.0	91.5	497	24.3	0.39	462
WALLEYE	12	642.5	0.0	0	12	642.5	0.1	0	0.0	3.28	1

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=CHILHOWEE RES

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
RAINBOW TROUT	670	37.1	138	1.8	0.05	0.0	0.05	0.0	7
LAKE TROUT	30	130.3	6	0.1	0.00		0.00		1
ANY SUNFISH	523	39.6	104	1.4	1.18	62.3	0.46	100.1	8
ANY BLACK BASS	5896	11.7	1217	15.9	0.87	29.8	0.01	330.1	86
SMALLMOUTH BASS	8467	9.9	1747	22.8	0.32	34.5	0.00		126
LARGEMOUTH BASS	1679	21.2	336	4.5	0.56	36.1	0.00		23
ANY SPECIES	10680	8.8	2926	28.7	0.36	43.5	0.08	94.5	92
OTHER	9211	9.0	1890	24.8	0.00		0.00		137
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TOTAL	37156		8364						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=CHILHOWEE RES

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY SUNFISH			
	BLUEGILL	1.18	0.46
ANY BLACK BASS			
	SMALLMOUTH BASS	0.29	0.00
	SPOTTED BASS	0.00	0.00
	LARGEMOUTH BASS	0.34	0.00

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=CHILHOWEE RES

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
01 JANUARY	0		0	0.24	10
02 FEBRUARY	0		0	0.95	12
03 MARCH	0		0	0.74	22
05 MAY	0		0	0.71	39
06 JUNE	0		0	0.61	33
07 JULY	0		0	0.34	26
08 AUGUST	0		0	0.50	25
09 SEPTEMBER	0		0	0.43	20
10 OCTOBER	0		0	0.29	24
11 NOVEMBER	0		0	0.43	17
12 DECEMBER	0		0	0.16	6

**SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020**

LOCATION=CHILHOWEE RES

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
RAINBOW TROUT	1420	370	1800	7
LAKE TROUT	310	0	310	1
ANY SUNFISH	2150	1260	3410	8
ANY BLACK BASS	22860	14490	37350	86
SMALLMOUTH BASS	31190	21110	52300	126
LARGEMOUTH BASS	5230	2520	7760	23
ANY SPECIES	24940	7720	32660	92
OTHER	33240	14470	47700	136
----- TOTAL	----- 121340	----- 61940	----- 183290	----- 479

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=CHILHOWEE RES

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	846	96
OTHERS	35	4

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
BLOUNT	561	65.8
LOUDON	43	5.0
MONROE	136	16.0
OTHERS IN TN	106	12.4
OUT-OF-STATE	6	0.7

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	660	74.7
B) 26-100	220	24.9
C) 101-250	3	0.3
D) > 250	1	0.1

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	483	99.4
B) 2-5	3	0.6

**NORRIS
TAILWATER**

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=NORRIS TW

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	1674	24.3	.	466	.	6.4
02 FEBRUARY	732	27.6	.	285	.	2.8
03 MARCH	1107	41.9	.	469	.	4.2
06 JUNE	4731	25.1	.	1352	.	18.0
07 JULY	5124	13.6	.	1622	.	19.5
08 AUGUST	2593	18.4	.	516	.	9.9
09 SEPTEMBER	2297	20.6	.	559	.	8.7
10 OCTOBER	3948	14.2	.	1019	.	15.0
11 NOVEMBER	1862	19.3	.	396	.	7.1
12 DECEMBER	2234	47.4	.	1117	.	8.5
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TOTAL	26302			7801		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=NORRIS TW

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	1808	77.0	1.08	71.2	0	.	0.00	.
02 FEBRUARY	256	66.5	0.35	58.5	0	.	0.00	.
03 MARCH	542	115.8	0.49	100.0	266	114.8	0.24	100
06 JUNE	3454	.	0.73	.	0	.	0.00	.
07 JULY	102	125.5	0.02	100.0	0	.	0.00	.
08 AUGUST	1037	50.3	0.40	45.8	26	93.7	0.01	100
09 SEPTEMBER	850	25.2	0.37	14.2	0	.	0.00	.
10 OCTOBER	2487	34.0	0.63	30.6	0	.	0.00	.
11 NOVEMBER	466	35.0	0.25	28.6	0	.	0.00	.
12 DECEMBER	0	.	0.00	.	0	.	0.00	.
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TOTAL	11002				292			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=NORRIS TW

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
RAINBOW TROUT	5916	25.7	53.8	5916	292	104.7	100	292	95.1	.	11
BROWN TROUT	1405	72.5	12.8	1405	0	.	0	0	100.0	.	0
BROOK TROUT	3453	.	31.4	3453	0	.	0	0	100.0	.	0
LARGEMOUTH BASS	23	468.8	0.2	0	0	.	0	0	100.0	.	0
YELLOW PERCH	39	856.7	0.4	0	0	.	0	0	100.0	.	0
WALLEYE	165	351.8	1.5	0	0	.	0	0	100.0	.	0

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=NORRIS TW

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
ANY TROUT	25732	8.1	7657	97.8	0.77	87	0.02	200.1	94
STRIPED BASS	431	60.4	105	1.6	0.00		0.00		1
WALLEYE	140	81.7	39	0.5	0.00		0.00		2
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TOTAL	26303		7801						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=NORRIS TW

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY TROUT			
	RAINBOW TROUT	0.42	0.02
	BROWN TROUT	0.10	0.00
	BROOK TROUT	0.25	0.00

SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020

LOCATION=NORRIS TW

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY TROUT	102110	118860	220970	37
STRIPED BASS	2450	0	2450	1
WALLEYE	680	580	1260	2
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TOTAL	105240	119440	224680	40

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=NORRIS TW

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	123	95.3
OTHERS	6	4.7

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
ANDERSON	52	42.3
CAMPBELL	8	6.5
KNOX	58	47.2
OTHERS IN TN	5	4.1

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	81	62.8
B) 26-100	41	31.8
C) 101-250	4	3.1
D) > 250	3	2.3

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	93	96.9
B) 2-5	3	3.1

**CHEROKEE
TAILWATER**

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=CHEROKEE TW

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
02 FEBRUARY	235	48.8	.	72	.	1.1
03 MARCH	1178	38.9	.	304	.	5.3
04 APRIL	1778	22.1	.	508	.	7.9
06 JUNE	2166	17.9	.	469	.	9.7
07 JULY	4854	16.5	.	826	.	21.7
08 AUGUST	6230	19.9	.	1278	.	27.8
09 SEPTEMBER	2145	17.5	.	532	.	9.6
10 OCTOBER	1603	17.9	.	397	.	7.2
11 NOVEMBER	1172	50.4	.	267	.	5.2
12 DECEMBER	1020	9.3	.	307	.	4.6
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TOTAL	22381			4960		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=CHEROKEE TW

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
02 FEBRUARY	49	51.0	0.21	13.2	42	48.9	0.18	0.0
03 MARCH	306	48.0	0.26	25.9	47	112.7	0.04	100.0
04 APRIL	480	.	0.27	.	0	.	0.00	.
06 JUNE	5198	38.2	2.40	33.2	3401	46.6	1.57	42.4
07 JULY	5388	18.5	1.11	8.4	2912	28.7	0.60	23.3
08 AUGUST	11775	20.1	1.89	3.2	125	93.5	0.02	100.0
09 SEPTEMBER	2681	29.2	1.25	23.1	729	101.9	0.34	100.0
10 OCTOBER	2453	33.4	1.53	27.8	1347	57.6	0.84	54.0
11 NOVEMBER	2309	53.5	1.97	15.9	1406	54.4	1.20	18.4
12 DECEMBER	1244	29.8	1.22	28.2	337	53.6	0.33	52.7
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TOTAL	31883				10346			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=CHEROKEE TW

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
CHANNEL CATFISH	191	171.8	0.6	96	191	171.8	1.8	96	0.0	.	2
RAINBOW TROUT	7161	56.3	22.4	6599	2203	45.2	21.3	2104	69.2	.	67
STRIPED BASS	1030	54.4	3.2	199	0	.	0.0	0	100.0	.	0
CHEROKEE BASS	741	89.2	2.3	86	218	162.2	2.1	0	70.6	.	6
ROCK BASS	25	613.1	0.1	25	0	.	0.0	0	100.0	.	0
WARMOUTH	62	809.7	0.2	62	62	809.7	0.6	62	0.0	.	1
BLUEGILL	6885	30.5	21.6	6526	6885	30.5	66.5	6526	0.0	.	115
REDEAR SUNFISH	701	112.2	2.2	701	663	111.4	6.4	663	5.4	.	10
SMALLMOUTH BASS	12234	24.4	38.3	9922	0	.	0.0	0	100.0	.	0
SPOTTED BASS	28	646.2	0.1	0	0	.	0.0	0	100.0	.	0
LARGEMOUTH BASS	701	90.9	2.2	701	0	.	0.0	0	100.0	.	0
WHITE CRAPPIE	124	568.2	0.4	0	124	568.2	1.2	0	0.0	.	2

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=CHEROKEE TW

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
ANY CATFISH	98	131.9	25	0.4	0.00		0.00		1
RAINBOW TROUT	7752	24.0	1700	34.6	0.72	51.3	0.22	59.7	38
ANY TROUT	2332	35.1	591	10.4	0.57	62.7	0.11	14.9	14
LAKE TROUT	102	112.5	23	0.5	0.00		0.00		1
STRIPED BASS	317	50.9	88	1.4	0.48	42.4	0.00		3
CHEROKEE BASS	119	97.4	29	0.5	1.00		0.00		1
ANY SUNFISH	859	39.6	190	3.8	4.56	24.1	4.36	21.8	6
ANY BLACK BASS	1331	32.4	323	5.9	0.94	62.9	0.00		7
SMALLMOUTH BASS	3399	39.3	733	15.2	2.11	21.3	0.00		9
LARGEMOUTH BASS	1564	68.2	322	7.0	0.08		0.00		2
ANY CRAPPIE	203	80.4	53	0.9	0.00		0.00		3
WALLEYE	54	113.6	16	0.2	0.00		0.00		1
ANY SPECIES	4249	33.2	865	19.0	1.56	4.9	1.05	29.2	10
----- TOTAL	----- 22379		----- 4958						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=CHEROKEE TW

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	ANY CATFISH	0.00	0.00
	CHANNEL CATFISH	0.00	0.00
ANY TROUT			
	RAINBOW TROUT	0.57	0.11
ANY SUNFISH			
	ANY SUNFISH	0.00	0.00
	WARMOUTH	0.04	0.04
	BLUEGILL	4.08	3.92
	REDEAR SUNFISH	0.44	0.40
ANY BLACK BASS			
	SMALLMOUTH BASS	1.58	0.00
	SPOTTED BASS	0.00	0.00
	LARGEMOUTH BASS	0.11	0.00
ANY CRAPPIE			
	ANY CRAPPIE	0.00	0.00
	WHITE CRAPPIE	0.00	0.00

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LOCATION=CHEROKEE TW

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
03 MARCH	0		0	0.00	2
06 JUNE	0		0	1.05	4
08 AUGUST	0		0	2.15	4
09 SEPTEMBER	0		0	1.08	5
10 OCTOBER	0		0	4.00	1
12 DECEMBER	0		0	0.00	2

**SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020**

LOCATION=CHEROKEE TW

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	380	130	510	1
RAINBOW TROUT	48340	3610	43980	37
ANY TROUT	12870	180	9090	14
LAKE TROUT	0			1
STRIPED BASS	1770	230	460	3
CHEROKEE BASS	220			1
ANY SUNFISH	2770	670	3200	5
ANY BLACK BASS	4820	0	3290	7
SMALLMOUTH BASS	27560	0	24290	9
LARGEMOUTH BASS	4080			2
ANY CRAPPIE	710	0	540	3
WALLEYE	570	0	570	1
ANY SPECIES	4970	630	4960	10
----- TOTAL	----- 109060	----- 5450	----- 90890	----- 94

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=CHEROKEE TW

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	184	98.4
OTHERS	3	1.6

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
GRAINGER	135	74.2
JEFFERSON	18	9.9
OTHERS IN TN	29	15.9

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	169	90.4
B) 26-100	18	9.6

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	98	100

**WILBUR
TAILWATER**

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2020

LOCATION=WILBUR TW

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	1299	25.5	.	347	.	1.4
02 FEBRUARY	1507	51.1	.	284	.	1.6
03 MARCH	2476	41.6	.	469	.	2.6
04 APRIL	5730	24.0	.	1052	.	6.1
05 MAY	7578	19.1	.	1617	.	8.1
06 JUNE	16057	14.3	.	2832	.	17.1
07 JULY	14420	11.7	.	2675	.	15.4
08 AUGUST	12009	10.1	.	2271	.	12.8
09 SEPTEMBER	14280	6.1	.	2165	.	15.2
10 OCTOBER	11904	11.3	.	2102	.	12.7
11 NOVEMBER	5430	16.0	.	1005	.	5.8
12 DECEMBER	1111	46.0	.	271	.	1.2
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TOTAL	93801			17090		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2020

LOCATION=WILBUR TW

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	1156	28.5	0.89	12.5	377	40.9	0.29	31.4
02 FEBRUARY	1085	84.8	0.72	60.0	196	123.6	0.13	100.0
03 MARCH	4680	48.4	1.89	22.8	322	72.4	0.13	54.2
04 APRIL	8079	26.1	1.41	10.0	2407	31.9	0.42	20.3
05 MAY	16217	19.8	2.14	5.2	5229	34.3	0.69	28.2
06 JUNE	39500	15.1	2.46	4.7	7226	17.5	0.45	10.0
07 JULY	31436	11.8	2.18	1.7	7643	28.2	0.53	25.6
08 AUGUST	19575	16.7	1.63	13.2	4804	22.1	0.40	19.4
09 SEPTEMBER	14708	7.0	1.03	3.4	3570	7.7	0.25	4.8
10 OCTOBER	15713	12.7	1.32	5.9	5238	25.6	0.44	22.8
11 NOVEMBER	6788	20.9	1.25	13.2	1466	43.8	0.27	41.0
12 DECEMBER	1289	58.0	1.16	32.1	111	90.9	0.10	73.3
----- TOTAL	160226				38589			

SUMMARY OF SPECIES CATCH STATISTICS - 2020

LOCATION=WILBUR TW

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
HOG SUCKER	83	953.7	0.1	0	0	.	0.0	0	100.0	.	0
RAINBOW TROUT	98706	6.6	61.6	95614	34488	9.7	89.4	34060	65.1	.	484
BROWN TROUT	60889	9.3	38.0	60246	3999	24.6	10.4	3592	93.4	.	59
STRIPED BASS	423	344.7	0.3	42	100	352.0	0.3	100	76.4	.	1
SMALLMOUTH BASS	146	901.7	0.1	0	0	.	0.0	0	100.0	.	0

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2020

LOCATION=WILBUR TW

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
RAINBOW TROUT	6826	19.3	1228	7.3	1.21	42.1	0.60	36.1	37
ANY TROUT	81466	5.1	14841	86.8	1.77	8.0	0.17	36.4	435
BROWN TROUT	5025	20.6	929	5.4	1.05	34.9	0.00	328.5	29
STRIPED BASS	256	87.7	48	0.3	0.21	43.1	0.21	43.1	2
CHEROKEE BASS	229	124.3	42	0.2	0.00		0.00		1
-----	-----		-----						
TOTAL	93802		17088						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2020

LOCATION=WILBUR TW

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY TROUT			
	RAINBOW TROUT	1.09	0.15
	BROWN TROUT	0.68	0.02

SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2020

LOCATION=WILBUR TW

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
RAINBOW TROUT	8840	5460	14300	37
ANY TROUT	638690	160870	799550	435
BROWN TROUT	222940	64820	287760	29
STRIPED BASS	1330	970	2300	2
CHEROKEE BASS	420	420	850	1
-----	-----	-----	-----	-----
TOTAL	872220	232540	1104760	504

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2020

LOCATION=WILBUR TW

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
NC	310	37.4
TN	414	50.0
OTHERS	104	12.6

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
CARTER	221	53.5
WASHINGTON	134	32.4
OTHERS IN TN	56	13.6
OUT-OF-STATE	2	0.5

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	350	42.3
B) 26-100	260	31.4
C) 101-250	140	16.9
D) > 250	78	9.4

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	388	77.3
B) 2-5	111	22.1
C) 6-10	3	0.6

Appendix I

Field Data Collection Forms



Tennessee Wildlife Resources Agency Reservoir Angler Count



1. Calendar Date ____ / ____ / ____
mm dd yy

2. Day Period: am or pm (Circle One)

3. Reservoir ____ (Code)

4. Area ____

5. Clerk ID ____ (TWRA Radio Numbers)

6. Survey Method: Roving or Access Point (Circle)

7. Count of Bank Anglers ____

8. Count of Boat Anglers ____

9. Comments _____



Tennessee Wildlife Resources Agency

ANGLER SURVEY

1. Calendar Date ____/____/____ 2. Location ____ (code) 3. Area ____
mm dd yy

4. Angler Type: Bank or Boat (circle one) 5. Hours Fished ____.

6. How many more hours do you plan to fish today? ____ (indicate completed trip with 0.0)

7. Party Size ____ (number of anglers) 8. Number in Party Wearing PFDs ____

9. Principal Species Fished For: (circle one)

997 any species	363 spotted bass	493 saugeye	286 brook trout	268 muskie
370 crappie	345 sunfish	282 trout	325 temperate bass	16 other
360 black bass	238 catfish	287 lake trout	328 striped bass	
364 largemouth bass	492 walleye	279 rainbow trout	326 white bass	
362 smallmouth bass	491 sauger	284 brown trout	329 hybrid striped bass	

Fish Harvest Information (for party):

Species Code	No. Harvested	Bulk Weight (lbs.)	No. Released
		.	
		.	
		.	
		.	
		.	
		.	

10. State of Residence ____ (code) 11. County of Residence ____ (code)

12. Miles from Home to Lake ____ (1 = 0-25 mi., 2 = 26-100 mi., 3 = 101-250 mi., 4 = over 250 mi.)

13. No. of days in Trip ____

Creel Clerk: "I would now like to ask you some questions about the value of your fishing trip. It is important to the TWRA to estimate the value of reservoir sport fisheries. The next two questions will be used only to calculate this economic estimate."

14. How much money will you spend on today's fishing trip for things like gas, food, bait, rentals, fees, lodging, guides, etc.? \$ ____

15. How much more than \$ value above would you be willing to pay to fish here per day if, for example, it kept getting more and more expensive to make this trip? \$ ____

16. Was the angler(s) fishing in a tournament during the interview? Yes ____ No ____